



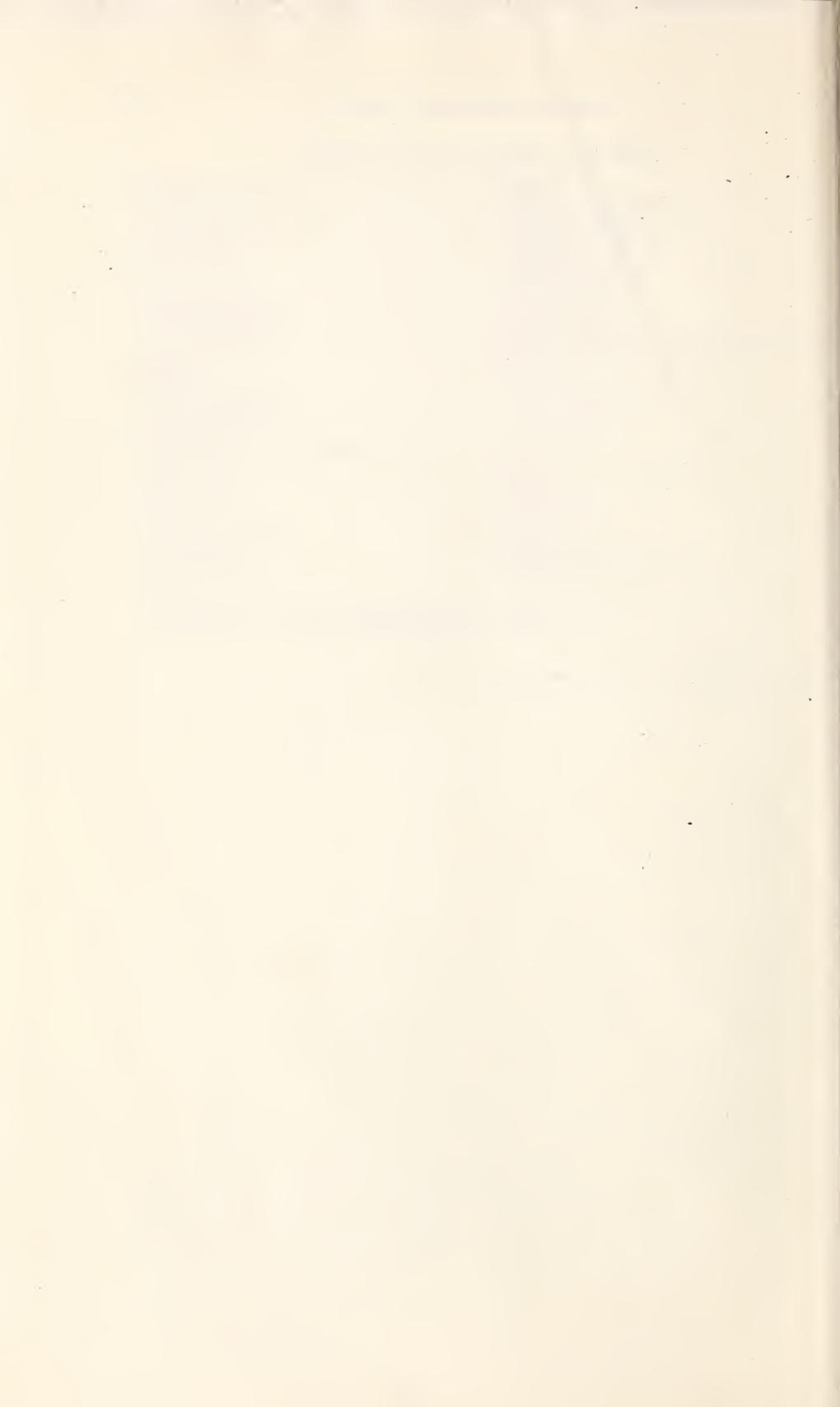


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CURRENT SERIES (See Back Cover)

UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL RESEARCH SERVICE  
PLANT QUARANTINE DIVISION  
WASHINGTON 25, D.C.

LIST OF INTERCEPTED PLANT PESTS, 1960

(Pests Intercepted From July 1, 1959, Through June 30, 1960)

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INTRODUCTION

This 47th report of interceptions summarizes the records of plant pests found in, on, or with plants, plant products, baggage, and means of conveyance (1) imported into or entering the United States or its possessions, (2) offered for entry but refused, (3) held in quarters or stores of planes or ships, (4) offered for entry for immediate transportation and exportation in bond, (5) in domestic shipments to the mainland from the States of Alaska and Hawaii, and the offshore possessions, including the American Virgin Islands, Guam, and Puerto Rico, or (6) in preclearance inspection at Nassau in the Bahamas.

The pests listed include insects, snails, fungi, bacteria, nematodes, and viruses of known or potential plant quarantine significance to the United States. Some common organisms are included if they are new to the country of origin or the host plant, or are of such limited distribution in the United States that they are worthy of mention.

The data for this list include identifications received during the fiscal year 1960 and represent some interceptions made during previous years. Determinations are largely made by specialists of the Entomology Research Division and the Plant Quarantine Division, although a certain amount of this work is done by collaborating State officials. Snail identifications are made by taxonomists in the Division of Mollusks, U.S. National Museum. Some critical studies and identifications are made by specialists of the Crops Research Division, who also identify many of the host plants.

All scientific names of insects, diseases, and hosts are reviewed by specialists of the Department to assure conformance to the International Rules of Nomenclature. However, in the disease tabulation the name of the stage found is usually listed rather than the perfect stage of the organism. Family names are listed with the insects in the tabulation; orders are shown in the host list. Classes of the diseases are given in the disease host list.

Every effort is made to give the correct origin for all collections listed. Occasionally, however, it is difficult to trace the true origin

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<sup>1</sup> Assistance was received from Alice J. Watson, mycologist, and Paul X. Peltier, entomologist.

of stores in planes and ships. Questionable cases are omitted, listed with a question mark, or shown as unknown.

#### NOTES ON PESTS INTERCEPTED

The total number of interceptions during the fiscal year 1960 was 30,230, as compared with 25,296 the previous year. This does not include common pests which are widespread in this country and are no longer recorded. Of the total number, 8,022 interceptions were considered of enough importance to be listed. This year we have omitted many injurious insects and diseases which are established in the United States and some fungi previously listed which are not parasitic.

#### AIRBORNE MATERIAL

The interceptions from airborne material totaled 10,719; last year there were 8,033. Insect and snail interceptions numbered 9,812; disease and nematode interceptions, 907. There were 364 interceptions of significant insects found as stowaways in airplanes. Among the important pests arriving by air were 19 interceptions of the European cherry fruit fly, 117 of the Mediterranean fruit fly, 20 of the Mediterranean land snail, 11 of the Mexican fruit fly, 37 of the olive fruit fly, 4 of the oriental fruit fly, 7 of the pink bollworm, 84 of the West Indian fruit fly, 38 of the black spot of citrus, 79 of citrus canker, and 46 of the sweet orange scab. Increasing air travel and the high survival rate of pests arriving by air require special attention to inspection of airborne material.

#### FRUIT FLIES

A total of 574 fruit fly interceptions were identified to species as follows:

*Anastrepha ludens*, the Mexican fruit fly (170 times), 166 from Mexico, 3 from Guatemala, and once from an unknown origin. The hosts were apple, grapefruit, mamey sapote, mango, peach, pear, pomegranate, quince, sour lime, sweet lime, sweet orange, and white sapote.

*Anastrepha mombinpraeoptans*, the West Indian fruit fly (120 times), in guava, mango, mombin, sapodilla, and tropical almond from the Bahamas, Costa Rica, Cuba, Curacao, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, and Puerto Rico.

*Anastrepha serpentina* (twice) in mamey sapote in air baggage from El Salvador and in sapodilla in air baggage from Nicaragua.

*Anastrepha striata* (once) in guava in air baggage from El Salvador.

*Anastrepha suspensa* (?) (twice) in guava in air baggage from Haiti and Puerto Rico.

*Ceratitis capitata*, the Mediterranean fruit fly (173 times), an adult on a salon window of a ship arriving at Tampa, Fla., in apple, apricot, Arabian coffee berries, baggage (with chestnuts), *Coffea* sp. berries, crabapple, fig, grape, grapefruit, guava, lemon, loquat, Mandarin orange, peach, pear, persimmon, *Phaleria papuana*, litanga, plum, pomegranate, pricklypear, quince, sweet orange, and unidentified fruit. Countries of origin were: Algeria, Argentina, Azores, Brazil, Cyprus, Europe (country(?)), Greece, Hawaii, Hungary, Indonesia, Israel, Italy, Lebanon, Morocco, Portugal, Spain, Tunisia, Turkey, Union of South Africa, United Arab Republic, and an unknown origin. *C. capitata*(?) (14 times) in Arabian coffee berries, fig, grape, guava, passionflower fruit, peach, sweet orange, and tomato from Greece, Hawaii, Italy, Portugal, Union of South Africa, and an unknown origin.

*Dacus cucurbitae*, the melon fly (once), in tomato in stores from Hawaii.

*Dacus dorsalis*, the oriental fruit fly (10 times), in guava, mango, papaya, peach, and tropical almond from Guam and Hawaii. *D. dorsalis* (?) (5 times) in Arabian coffee berries, mango, and passionflower fruit from Hawaii.

*Dacus cleae*, the olive fly (52 times), in olive from Greece, Israel, Italy, Lebanon, and the United Arab Republic.

*Euleia heraclei*(?) (once) in celery in stores from England.

*Rhagoletis cerasi*, the European cherry fruit fly (20 times), in cherry from Czechoslovakia, Denmark, France, Hungary, Italy, and an unknown origin. *R. cerasi*(?) (3 times) in cherry from Germany, Italy, and an unknown origin.

#### INSECTS OTHER THAN FRUIT FLIES

The following insects of unusual interest were intercepted:

*Acrolepia assectella* (Hyponomeutidae) in leek in stores from Italy, Japan, and the Netherlands.

*Adoretus sinicus* (Scarabaeidae) (18 times) from Hawaii as stowaway in airplane, on *Alpinia purpurata* cut flowers, anthurium, with automobile, baggage, clothing, and mail wrapper, on mixed flowers, seeds, *Tillandsia* sp., and *Vanda* sp. orchids.

*Adoxophyes orana* (Tortricidae) on lilac cut flowers in aircargo from the Netherlands.

*Agrionides obscurus* (Elateridae) in soil with Amur chokecherry tree in aircargo from the Union of Soviet Socialist Republics.

*Aleurocanthus spiniferus* (Aleyrodidae) on sweet orange leaf in stores from Japan.

*Aleurocanthus woglumi* (Aleyrodidae), the citrus blackfly (17 times), from Mexico on *Citrus* sp. leaves in baggage, lime leaf in cargo, and sweet orange leaves in baggage.

*Amphimallon majalis* (Scarabaeidae) as stowaway on airplane from France and an unknown origin.

*Blastodacna atra* (Cosmopterygidae) in apple in air baggage from Turkey.

*Blissus diplopterus* (Lygaeidae) on peach in cargo from the Union of South Africa.

*Brachycerus albidentatus* (Curculionidae) in garlic in baggage from Italy.

*Brachycerus algirus* (Curculionidae) in garlic in baggage from Italy and cargo from Spain.

*Brevipalpus chilensis* (Tenuipalpidae) (41 times) on custard-apple in aircargo, on grapes in cargo, and on sweet orange in stores from Chile.

*Bruchus affinis* (Bruchidae) in perennial pea in mail from Denmark and France and on *Lathyrus* sp. seed in mail from the Netherlands.

*Callosobruchus analis* (Bruchidae) in chickpea in baggage from Hong Kong and in pea in stores from China.

*Carposina nipponensis* (Carposinidae) in apple in stores from Japan and in plum in mail from Hong Kong.

*Ceroplastes rubens* (Coccidae) on maile alyxia in baggage from Hawaii.

*Chilo suppressalis* (Crambidae), the Asiatic rice borer (13 times), in rice straw in air baggage from Japan and Korea, aircargo, air stores, and baggage from Japan, cargo from Hong Kong, Japan, and an unknown origin, and in mail from Japan.

*Chrysomphalus paulistus* (Coccidae) on Grecian laurel in air baggage and philodendron in aircargo from Brazil.

*Conotrachelus aquacatue* (Curculionidae) (26 times) in avocado in air baggage and baggage from Mexico.

*Coptotermes crassus* (Rhinotermitidae) in pine stump in cargo from British Honduras.

*Corythaica carinata* (Tingidae) on *Lippia reptans* leaf in baggage from Cuba.

*Cryptophlebia leucotreta* (Olethreutidae) in bell pepper in stores from the Republic of the Congo and in sweet orange in stores from the Union of South Africa.

*Curculio clephas* (Curculionidae) (22 times) in European chestnut in air baggage and stores from France and in air baggage, baggage, and cargo from Italy; in chestnut in air baggage, baggage, cargo, and mail from Italy, air baggage and quarters from Portugal, and in air baggage from Spain; and in acorns of European turkey oak in cargo from Italy.

*Curculio nucum* (Curculionidae) in filbert in air baggage from Poland and mail from Italy; and in hazelnut in air baggage and baggage from Italy.

*Cylas formicarius* var. (Curculionidae) in *Ipomoea* sp. in aircargo from Thailand and in sweetpotato in air baggage from the Dominican Republic, aircargo from the Philippines, Singapore, and Thailand, air stores from the Federation of Malaya, cargo from Hong Kong and Japan, and stores from Thailand.

*Dialeurodes kirkalyi* (Aleyrodidae) on gardenia leaves in air baggage from Lebanon and on jasmine in air baggage from Hong Kong and in air baggage and mail from Hawaii.

*Diaprepes abbreviatus* var. (Curculionidae) in pigeonpea pod in cargo from Puerto Rico.

*Dyspessa ulula* (Cossidae) (12 times) in garlic in cargo from Italy and Spain.

*Epichorista ionephela* (Tortricidae) in Cape chinkericee in aircargo and mail from the Union of South Africa.

*Epinotia aporema* (Olethreutidae) in cowpea pod in air baggage from Argentina, in string bean in baggage and stores from Mexico, and in tomato in cargo from Mexico.

*Ernobius abietis* (Anobiidae) in conifer cone, probably spruce, in cargo from Germany.

*Euscepes postfasciatus* (Curculionidae) (16 times) in mail parcel containing peanuts and cut flowers and with pineapple in air baggage from Hawaii; and in sweetpotato in air baggage from Barbados and Japan, in baggage and mail from Puerto Rico, and in stores from Brazil and Trinidad.

*Frankliniella formosae* (Thripidae) (44 times) on *Arctotis stoechadifolia*, carnation, chrysanthemum, *Citrus* sp. peel, *Dianthus* sp., unidentified flowers, gardenia, gladiolus, hyacinth, lily, and rose from the Fiji Islands, Hong Kong, Japan, and the West Pacific.

*Gnorimoschema ocellatella* (Gelechiidae) in beet in stores from France, Israel, and the United Arab Republic, and with stores from Israel.

*Gymnandrosoma aurantianum* (Olethreutidae) in sweet orange in air stores from Curacao.

*Hellula undalis* (Pyraustidae) in turnip in stores from the United Arab Republic.

*Hemimene juliana* (Olethreutidae) in chestnut in air baggage and baggage from Italy.

*Heterobostrychus aequalis* (Bostrichidae) in wooden crates in cargo from India and Vietnam.

*Hypoborus ficus* (Scolytidae) in fig cuttings in baggage from Israel and cargo from Yugoslavia.

*Kalotermes flavicollis* (Kalotermitidae) in quince in air baggage from Greece.

*Lamprides boeticus* (Lycaenidae) (28 times) in mauna loa lei in air baggage and baggage from Hawaii, in leguminous flowers in baggage from Hawaii, in peas in stores from Japan, in sesbania flowers in mail from Hawaii, and in *Strongylodon lucidus* in air baggage from Hawaii.

*Laspeyresia fabivora* (Olethreutidae) in string bean in stores from Ecuador.

*Laspeyresia splendana* (Olethreutidae) (66 times) in baggage with lily bulbs from Italy; in chestnuts in air baggage from France, Germany, Italy, Portugal, Spain, and Yugoslavia, in baggage from Italy and Portugal, in cargo from France, Israel, and Italy, in mail from Portugal, and in stores from the Canary Islands; and in acorn in cargo from France.

*Laspeyresia strobilella* (Olethreutidae) in spruce cones in baggage from England and Switzerland.

*Lema melanopa* (Chrysomelidae) in lily-of-the-valley pips in cargo from Denmark and on rose bush in cargo from England.

*Leucinodes orbonalis* (Pyraustidae) in eggplant in stores from Indonesia and in *Solanum* sp. in air baggage from Liberia.

*Lobesia botrana* (Olethreutidae) in grapes in air baggage from Italy and the United Arab Republic.

*Mamestra brassicae* (Noctuidae) (9 times) on cabbage in stores from Italy, on cauliflower in stores from Belgium, France, Germany, and Italy, on Chinese cabbage in stores from Japan, and on lettuce in stores from France.

*Maruca testulalis* (Pyraustidae) (27 times) loose in baggage, in bean, leguminous flower, lima bean, mauna loa lei, pigeonpea, string bean, sesbania flower, *Strongylodon lucidus*, and *Strongylodon* sp. from Hawaii, Hong Kong, and Puerto Rico.

*Megastigmus limoni* (Torymidae) in *Eremocitrus glauca* seed in aircargo from Australia.

*Megastigmus strobilobius* (Torymidae) in Norway spruce seed in cargo from Germany.

*Pectinophora gossypiella* (Gelechiidae), the pink bollworm (15 times), in cotton boll in air baggage and baggage from Hawaii; on cotton leaf in air baggage from Jamaica; in cottonseed in air baggage from Hawaii, aircargo, and airmail from the Dominican Republic, in baggage from Hawaii and Mexico, and in mail from Hawaii; in seed cotton in baggage and quarters from Mexico; and in okra in air baggage from the Dominican Republic and stores from Brazil.

*Perkinsiella vitiensis* (Delphacidae) as stowaway on airplane from the Fiji Islands.

*Petrova resinella* (Olethreutidae) in Scotch pine in aircargo from the Union of Soviet Socialist Republics.

*Phalonia zephyrina* (Phaloniidae) in carrot in stores from Italy.

*Pieris brassicae* (Pieridae) on cabbage in stores from the Azores and France, on cauliflower in stores from the Azores and Italy, and with wooden crate in aircargo from Spain.

*Polytus mellerborgii* (Curculionidae) in banana stolon in aircargo from the Philippines.

*Prays oleellus* (Hyponomeutidae) in olives in air baggage and baggage from Italy.

*Sesamia cretica* (Noctuidae), the durra stem borer, in broomcorn stalk and corn stalk in cargo from Italy.

*Sternochetus mangiferae* (Curculionidae) (93 times) in mango from Australia, French Equatorial Africa (the interception was made before the country was divided), Guam, Hawaii, India, and an unknown origin.

*Taeniothrips gracilis* (Thripidae) (27 times) in lycoris in cargo from Japan.

*Thrips imaginis* (Thripidae) on gladiolus in air baggage from Australia.

*Trogoderma granarium* (Dermestidae), the khapra beetle (131 times), is becoming increasingly important as a quarantine problem. It was found mostly in ships' stores, in quarters, or with cargo, but once with guar gum in mail. The hosts were barley, bean, cumin seed, mung bean, myrobalan nut, peanut, pepper, pigeonpea, poppyseed, rice, soybean, and miscellaneous dry stores (including chickpea, coffee, flour, macaroni, mixed grain, pea, spaghetti, sugar, tapioca, etc.), frequently from infestations in storerooms. It was found with automobiles, old bagging, bales of rubber, debris, goat skins, guar gum, gum arabic, Karaya gum, seedlac, steel and tuna fish cartons, usually associated with used burlap or other wrappings or infesting cargo holds of ships. Infested materials were from the following countries: Asia (country(?)), Burma, Ceylon, China, England, Europe (country(?)), Formosa, Germany, Hong Kong, India, Indonesia, Iran, Japan, Kuwait, Lebanon, Netherlands, Nigeria, Pakistan, Portugal, Singapore, Sudan, Union of South Africa, United Arab Republic, and an unknown origin.

#### SNAILS

Snails are causing increasing concern as more species are being recognized as potential pests and greater numbers are being found with plant material and on cargo.

*Bradybaena similaris* was intercepted 26 times on various cut flowers, foliage, and in soil with plants; 18 from Hawaii, 3 from Bermuda, 2 each from Brazil and Cuba, and 1 from Mexico.

*Cochlicella barbara* (29 times) on lemon in stores from Algeria; on military cargo from France, Italy, Morocco, and Spain; on mixed seeds in air baggage from Italy; and on new automobiles from France.

*Cochlicella ventrosa* (9 times) on geranium plants in air baggage from the Azores; lemon in stores from Algeria; lettuce in air stores from Portugal; military cargo from Bermuda, Italy, and Morocco; mint in air baggage from Bermuda; and Roman camomile in cargo from Italy.

Fourteen species of the genus *Helicella* were intercepted a total of 39 times on bell pepper, blackberry plants, cabbage, cut flowers, household goods, military cargo, new automobiles, parsley, and soil with various plants from the following countries: France, Greece, Ireland, Italy, Libya, Morocco, Portugal, Spain, and Turkey.

*Monacha carthusiana* with military cargo and rose petals in aircargo from France.

*Opeas pumila* with orchid plants in aircargo from British Honduras.

*Opeas pyrgula* with iris in air quarters from Japan and in soil with plants in baggage from Bermuda.

*Porphyrobaphe iostoma* (23 times) on bananas in cargo from Ecuador and Honduras.

*Rumina decollata* with orchids in cargo from Mexico.

*Solaropsis monile* (10 times) on bananas in cargo from Costa Rica and Ecuador.

*Subulina octona* (9 times) on orchids in aircargo from Jamaica and in baggage and cargo from Mexico; and in soil with assorted plants in air baggage from Brazil, Ecuador, Panama, and Venezuela.

*Theba pisana*, the Mediterranean land snail, was intercepted 75 times; 37 from Morocco on begonia cuttings in air baggage and on military cargo; 14 from France on cut flowers in aircargo and on automobile, motor canisters, and military cargo; 8 from Libya on military cargo; 7 from Italy as food in baggage, with other mollusks

in air baggage, on Roman camomile in cargo, and on military cargo; 7 from Spain with bell pepper in stores, on automobile in cargo, on military cargo, and on walls of hold of ship; 1 from Greece as food in baggage; and 1 from an unknown origin on dried herbs in air baggage.

Other snails of potential economic importance were: *Cecilioides acicula*, *Cepaea nemoralis*, *Helicina zephyrina*, *Helix aspersa*, *H. pomatia*, *Lamellaxis micra*, *Otala lactea*, and *O. vermiculata*.

#### DISEASES

*Elsinoe australis*, the sweet orange scab, was intercepted 98 times; 47 from Brazil on lemon, Mandarin orange, sour lime, and sweet orange in air baggage, air stores, quarters, and stores; 31 from Argentina on lemon, Mandarin orange, and sweet orange in air baggage, air stores, baggage, and stores; 19 from an unknown origin on Mandarin orange and sweet orange in air baggage, air quarters, and air stores; and 1 from Uruguay on sweet orange in stores.

*Phoma citricarpa* (perfect stage is *Guignardia citricarpa* Kiely), the black spot of citrus, was intercepted 108 times; 25 from Japan, 23 from the Union of South Africa, 14 from China, 13 from Australia, 11 from Hong Kong, 8 from Formosa, 5 from an unknown origin, 4 from Brazil, and 1 each from Africa (country(?)), the Federation of Malaya, Mozambique, New Zealand, and Thailand. The hosts were *Citrus* sp., grapefruit, ichandarin, lemon, Mandarin orange, pummelo, sour orange, and sweet orange.

*Xanthomonas citri*, citrus canker, was intercepted 140 times; 129 from Japan on *Citrus* sp., grapefruit, ichandarin, King orange, lemon, Mandarin orange, pummelo, sour lime, sour orange, and sweet orange; 4 from China on *Citrus* sp. peel and sweet orange peel; 3 from Hong Kong on *Citrus* sp. peel and sweet orange; and 1 each from India and Pakistan on sour lime, Saipan on *Citrus* sp., and an unknown origin on lemon.

*Xanthomonas* sp., Cancersis B, was intercepted 7 times from Argentina on lemon in stores.

Other diseases of unusual interest were:

*Dasturella divina* (Syd.) Mundk. & Keshw. on dried leaves of *Sasa palmata* in cargo from Formosa.

*Gymnosporangium yamadae* Miy. on apple in air stores from Japan.

*Heteropeltella valtellinensis* (Trav.) Wr. on *Dianthus* sp. in mail from Canada. *Neovossia horrida* (Tak.) Padw. & A. Khan (58 times) on rice hulls in stores from Japan.

*Peronospora schachtii* Fekl. on Swiss chard in stores from Japan.

*Phakopsora gossypii* (Arth.) Hirat. f. (*Cerotelium desmum*) on cotton leaves in preflight inspection of baggage from the Bahamas.

*Puccinia nakanshikii* Diet. on lemongrass leaves in stores from Japan.

*Puccinia oncidii* Cummins on *Oncidium* spp. leaves in aircargo from Brazil and Ecuador.

*Puccinia praegracilis* Arth. var. *praegracilis* Savile (*Aecidium graebnerianum* P. Henn.) on *Habenaria* spp. in aircargo from Alaska.

*Sphaceloma spondiadis* Bitanc. & Jenkins on vi-apple in air baggage from British Guiana.

*Sphenospora kevorkianii* Linder on *Huntleya burtii* leaf in air baggage from Panama.

*Uredo nidularii* P. Henn. on tillandsia in cargo from Mexico.

*Uredo oncidii* P. Henn. on *Oncidium* spp. leaves in aircargo from British Honduras, Guatemala, Panama, and Peru and on orchid leaf in air baggage from Haiti.

*Uromyces fabae* (Grev.) Cke. on lentil stems in air baggage and cargo from Chile and in stores from Germany, and on vetch plants in air baggage from Portugal.

#### NEMATODES

*Anquina tritici* in wild einkorn seeds from straw jackets in cargo from Italy(?).

*Aphelenchoides blastophthorus* in lily-of-the-valley plants in baggage from England.

*Aphelenchoides fragariae*(?) in hyacinth bletilla stems in cargo from Japan.

*Ditylenchus destructor* in dahlia roots in mail from Switzerland and the Union of South Africa, and in tigerflower bulbs in mail from Germany.

*Ditylenchus dipsaci* in onion in mail from the Netherlands, in garlic in cargo from Mexico, and in narcissus in airmail and mail from England.

*Gotholdsteineria goodeyi* in soil with unidentified plants in air baggage from Canada.

*Helicotylenchus nainus* in soil with begonia plants in air baggage from Portugal and baggage from Mexico, soil with cactus and crocus plants in baggage from Mexico, soil with fern and mint roots in air baggage from Mexico, and soil with geranium and rose plants in baggage from Mexico.

*Heterodera avenae*, the oat nematode (4 times), in soil with new Jaguars in cargo from England, in soil with cabbage in air baggage from Ireland, and in soil with potatoes in stores from England.

*Heterodera cacti* (25 times) in soil samples, soil with the following plants: Begonia, cactus, citrus, coleus, Crassulaceae, spearmint, and various potted plants, and soil with railway cars. The countries of origin were: Brazil, Germany, Mexico, New Zealand, and Switzerland.

*Heterodera punctata* (11 times) in soil with automobiles in cargo from England, soil with heather in mail from Scotland, soil with Indiarubber fig in baggage from Mexico, soil with malvaceous plant in air baggage from Czechoslovakia, soil with philodendron plants in baggage from Canada, soil with plants in baggage from Mexico, and soil with rose roots in baggage from Northern Ireland.

*Heterodera rostochiensis*, the golden nematode (19 times), from soil in a small vial in air baggage, soil with calla lily and unidentified plants in baggage, soil with new and used automobiles and spruce in cargo, and soil with beet, celery, horseradish, leek, potato, and ullucus tuber in stores. The countries of origin were: Argentina, England, Germany, Mexico, Peru, and Spain.

*Meloidogyne arenaria*, *M. hapla*, *M. incognita*, *M. incognita acrita*, and *M. javanica*, rootknot nematodes, were intercepted from Australia, Brazil, Cuba, Dominican Republic, England, Germany, Guatemala, Haiti, Japan, Kenya, Mexico, Netherlands, and Northern Ireland. The hosts were begonia and euphorbia in baggage; astilbe, beautyberry roots, caladium, calla lily, clematis, common edelweiss, coriander, dahlia, echeveria, gladiolus corms, hepatica, tomato roots, and tuberose bulbs in aircargo and cargo; acanthus roots, *Adenia globosa* plant, clockvine, dahlia, rose roots, and winged euonymus in airmail and mail; and dasheen and potato in stores.

*Pratylenchus penetrans* in dahlia in mail from Australia, Canada, and the Union of South Africa.

*Pratylenchus pratensis* in Japanese iris roots in mail from Czechoslovakia.

*Psilenchus hilarulus* in soil with fern and with dead plant in baggage from Mexico.

*Scutellonema brachyurum* in soil with cactus and unidentified plants in baggage from Mexico.

*Tylenchorhynchus capitatus* in soil with unidentified plants in air baggage from Jamaica and baggage from Mexico.

*Xiphinema americanum* in soil with gardenia plant in baggage from Mexico.

### INCOMPLETELY DETERMINED PESTS

Specific determinations are sometimes not possible, due to the stage or condition of the insects or pathogens when intercepted or the fact that they are undescribed. Many of these pests may be of economic importance, unreported from the United States or the country of origin, or unknown on the host plant. As a matter of record the significant ones are included in this separate list, but not in the table. This year there were 2,897 insects, 600 diseases, and 229 nematodes, or a total of 3,276 incompletely determined interceptions considered to be important.

#### FRUIT FLIES

There were 183 incompletely determined fruit fly interceptions as follows:

*Anastrepha* sp., possibly *dissimilis* Stone, at Philadelphia, Pa., in giant granadilla in stores from the Dominican Republic.

*Anastrepha* sp., possibly *fraterculus* (Wied.), at New York, N.Y., in mango in baggage from Brazil; and at Philadelphia, Pa., in sweet orange in stores from Brazil.

*Anastrepha* sp., possibly *ludens*, at Brownsville, Tex., in sweet orange in air stores from Mexico; at Eagle Pass, Tex., in apple, cherimoya, and pear in baggage from Mexico; at El Paso, Tex., in pear, sweet orange, and white sapote in baggage from Mexico; at Laredo, Tex., in sweet orange in baggage from Mexico;

at Nogales, Ariz., in sweet orange in air baggage from Mexico; and at San Ysidro, Calif., in sweet orange in baggage from Mexico.

*Anastrepha* sp., probably *mombinpraeoptans*, at Miami, Fla., in mangô in air baggage from El Salvador, Nicaragua, and Panama, in purple mombin in air baggage from Costa Rica and Honduras, and in *Spondias* sp. in air quarters from Colombia; at New Orleans, La., in mamey sapote in air baggage from Nicaragua, in mango in air baggage from El Salvador and Guatemala, in purple mombin and *Spondias* sp. in air baggage from Guatemala, and in tropical almond in air baggage from Jamaica; at New York, N.Y., in mango and sweet orange in air stores from an unknown origin; at Philadelphia, Pa., in mango in baggage from Puerto Rico; at San Pedro, Calif., in guava in air baggage from Venezuela; and at San Ysidro, Calif., in guava in baggage from Mexico.

*Anastrepha* sp., possibly *serpentina*, at El Paso, Tex., in mamey sapote in baggage from Mexico; at Miami, Fla., in quince in air baggage from Peru; and at Laredo, Tex., in mamey sapote in baggage from Mexico.

*Anastrepha* sp., prob. *striata*, at El Paso, Tex., in guava in baggage from Mexico; at Houston, Tex., in guava in baggage from Costa Rica and Honduras; at Laredo, Tex., in guava in baggage from Mexico; at Miami, Fla., in guava in air baggage from Mexico; at New Orleans, La., in guava in air baggage from Costa Rica; at Nogales, Ariz., in *Psidium* sp. in woman's purse from Mexico; and at San Pedro, Calif., in guava in air baggage from El Salvador, Mexico, and Nicaragua.

*Anastrepha* sp., probably *suspensa*, at Chicago, Ill., in guava in airmail from Puerto Rico; at Key West, Fla., in guava in air baggage from Cuba; at Miami, Fla., in guava in air baggage from Cuba and tropical almond in air baggage from Jamaica; at New York, N.Y., in guava in air baggage from Cuba and tropical almond in air baggage from Jamaica; and at San Juan, P.R., in guava in pre-flight inspection of baggage.

*Anastrepha* sp. was intercepted a total of 84 times at the following ports: Baltimore, Md., Brownsville, Tex., Chicago, Ill., Eagle Pass, El Paso, Galveston, Hidalgo, and Houston, Tex., Jacksonville, Fla., Laredo, Tex., Miami, Fla., New Orleans, La., New York, N.Y., Nogales, Ariz., Port Arthur, Tex., Port Everglades, Fla., St. Thomas and St. John, U.S.V.I., San Juan, P.R., San Pedro, Calif., and Tampa, Fla. The hosts were: Apple, Barbadoscherry, cherimoya, coffee berry, grapefruit, guava, mamey, mamey sapote, Mandarin orange, mango, *Matisia cordata* ("chupa-chupa"—a new host for *Anastrepha*), *Myrtus ehrenbergii*, peach, peach-palm nut, pear, purple mombin, quince, sapodilla, *Spondias* sp., star-apple, sweet orange, and yellow mombin. The countries of origin were: Argentina, Brazil, Colombia, Costa Rica, Cuba, Ecuador, El Salvador, Guatemala, Jamaica, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Tortola, Venezuela, West Indies, and an unknown origin. *Anastrepha* sp.(?) at Brownsville, Tex., in mango in baggage from Mexico; and at New Orleans, La., in mango in air baggage from Guatemala.

*Ceratitis* sp., probably *capitata*, at Boston, Mass., in peach in air stores from an unknown origin.

*Dacus* sp., probably *cucurbitae*, at Seattle, Wash., in zucchini squash in stores from Hawaii.

*Dacus* sp., probably *dorsalis*, at Honolulu, Hawaii, in Indiapoon beautyleaf nut in mail from Hawaii.

*Dacus* sp., possibly *vertebratus* Bezzi, at New York, N.Y., in cucumber in stores from the Union of South Africa.

*Dacus* sp., at Boston, Mass., in cucumber in stores from the Republic of Mali; at Honolulu, Hawaii, in candlenut tree fruit, cattley guava, and coffee berries in preflight inspection of baggage, in mango in air stores from the Fiji Islands and the Philippines, in pepper in air baggage from Japan, and in solanaceous fruit in air baggage from the Philippines; and at Seattle, Wash., in guava in air baggage from the Philippines. *Dacus* sp.(?) at Honolulu, Hawaii, in *Phaseolus* sp. and tropical almond in mail from Hawaii and in fruit of Sapotaceae in air baggage from the Philippines; and at Savannah, Ga., in sweet orange in stores from Mozambique.

*Rhagoletis* sp., probably *cerasi*, at New York, N.Y., in cherry in air stores from Spain.

*Rhagoletis* sp., at Eagle Pass, Tex., in apple in baggage from Mexico; at El Paso, Tex., in *Craeaegus* sp. in baggage from Mexico; at Laredo, Tex., in apple in baggage from Mexico; and at New York, N.Y., in cherry in air baggage from Ireland.

Tephritidae, genus near *Euaresta*, species unidentified, at Washington, D.C., in *Helichrysum* sp. and *Helipterum incanum* seeds in aircargo from Australia.

Tephritidae, probably genus and species of Tephritinae, at New York, N.Y., in strawflower in air baggage from Bermuda.

Tephritidae, identified to family only (7 times), at Brownsville, Tex., in guava in aircargo from Colombia; at Honolulu, Hawaii, in pepper in air stores from the West Pacific and in stores from the Fiji Islands, and in watermelon in air stores from the Philippines; at Laredo, Tex., in sweet orange in baggage from Mexico; at Miami, Fla., in coffee berry in air baggage from Brazil; and at New York, N.Y., in jujube in air baggage from Lebanon.

*Tephritis* sp., near *multiguttata* Beck., at New York, N.Y., in dried herbs in air baggage from England.

#### INSECTS OTHER THAN FRUIT FLIES

*Aeolothrips* sp., near *ericae* Bagn. (Aeolothripidae), not presently represented in the National Museum collection, at New York, N.Y., on calla lily in aircargo from Israel.

*Alcidodes* sp. (Curculionidae) at New York, N.Y., in sweetpotato in stores from Liberia.

*Aleyroplatus* n. sp. (Aleyrodidae) at Key West, Fla., on rose leaf in baggage from Cuba; at Progreso, Tex., on citrus leaf in baggage from Mexico; and at San Pedro, Calif., on rose leaf in air baggage from El Salvador.

*Aleyrotrachelus* sp., probably undescribed (Aleyrodidae), at Miami, Fla., on leaf of an aquatic plant in aircargo from Peru. We have no previous records of aleyrodids on aquatic plants.

Aleyrodidae, genus uncertain, perhaps *Aleyrotuberculatus* n. sp., at New York, N.Y., on *Baccarea* sp. leaf in aircargo from Thailand.

*Apion* sp., probably *carduorum* (Curculionidae), at New York, N.Y., in globe artichoke in baggage from Italy and stores from Greece.

An apparent new species of the subfamily Bagoini (Curculionidae) at Miami, Fla., on burhead plants in aircargo from Peru.

*Baris* sp. (Curculionidae) at Galveston, Tex., in horseradish in stores from Germany; and at Philadelphia, Pa., in turnip in stores from France.

*Brachyrhinus* sp., possibly *singularis* (L.) (Curculionidae), at New York, N.Y., in cyclamen tuber in air baggage from Italy.

*Chlorochroa* sp.(?) (Pentatomidae), not in the National Museum collection, at McGuire Air Force Base, N.J., on crates in aircargo from Spain.

*Chrysolina* sp., possibly *cerealis* (L.) (Chrysomelidae), at New York, N.Y., with rosemary in baggage from Italy.

*Chrysomela* sp., probably *chlorina* Maulik (Chrysomelidae), not in the National Museum collection, at New York, N.Y., on orchid plants in aircargo from India.

*Cladius* sp., probably *diformis* (Panz.) (Tenthredinidae), at New York, N.Y., on cut roses in air baggage from England.

*Cleonus* sp. (Curculionidae) at Baltimore, Md., in beet in stores from the United Arab Republic; and at New York, N.Y., in beet in stores from Israel.

*Coccotrypes* sp., probably *surinamensis* Schedl (Scolytidae), at New York, N.Y., in palm seed in aircargo from Brazil.

*Conoderus* sp., near *lividus* (DeG.) (Elateridae), at Miami, Fla., as stowaway in airplane from Venezuela; at New Orleans, La., as stowaway in airplane from Central America; and at San Juan, P.R., on *Epidendrum* sp. plants in aircargo from Panama.

*Conoderus* sp., probably *rufangulus* (Gyll.) (Elateridae), at New York, N.Y., in grape in cargo from Chile.

*Ctenicera* sp., probably *acneus* (L.) (Elateridae), at Washington, D.C., in soil with Amur chokecherry tree in aircargo from the Union of Soviet Socialist Republics.

*Cylas* sp. (Curculionidae) at Baltimore, Md., in sweetpotato in stores from Nigeria; at Mobile, Ala., in sweetpotato in stores from Liberia; and at New York, N.Y., in sweetpotato in cargo from Liberia.

*Diaprepes* sp. (Curculionidae) at St. Thomas & St. John, U.S.V.I., in sweetpotato in cargo from St. Kitts, B.W.I.

*Epicaerus* sp. (Curculionidae) at Brownsville and Presidio, Tex., in potato in baggage from Mexico; and at Tampa, Fla., in potato in stores from Mexico.

*Eriosoma* sp. (Aphidae) at Miami, Fla., on apple in air baggage from Venezuela, in air stores from Argentina and Brazil, and in stores from Germany and Japan; and at New York, N.Y., on apple in cargo from Chile.

"*Eulia*" sp. (Tortricidae) at New York, N.Y., in grape, nectarine, peach, and plum in cargo from Chile.

*Frankliniella* sp., undescribed (Thripidae), at New York, N.Y., on cut gladiolus in aircargo from Israel. A really distinct undescribed species, very rare.

*Gymnandrosoma* sp. (Olethreutidae) at Chicago, Ill., in guava in airmail from Puerto Rico; at Miami, Fla., in cacao pod in air baggage from Barbados and in jujube in air baggage from Mexico; and at Mobile, Ala., in cacao pod in baggage from Trinidad.

*Heilipus* sp. (Curculionidae) at Brownsville, Tex., in avocado seed in baggage from Mexico; at El Paso, Tex., in avocado in cargo from Mexico; at Laredo, Tex., on orchids in cargo from Mexico; at San Diego, Calif., in avocado in stores from Panama; and at San Pedro, Calif., in avocado seed in air baggage from Guatemala.

*Heterotermes* sp., probably *cardini* (Snyder) (Rhinotermitidae), at New York, N.Y., in tomato in cargo from the Dominican Republic. A very destructive termite to buildings and crops.

*Hyperodes* sp. (Curculionidae) at Philadelphia, Pa., in carrot in stores from Brazil.

*Lixus* sp. (Curculionidae) at Baltimore, Md., in beet in stores from Italy and Sierra Leone; at Eagle Pass, Tex., in grain sweepings from railway car from Mexico; at Houston, Tex., in beet in stores from the United Arab Republic; at New York, N.Y., in beet in stores from Israel; and at Philadelphia, Pa., in beet in stores from Peru and the United Arab Republic.

*Lygaeidae*, new genus near *Cligenes*, at Brownsville, Tex., on bromeliad in cargo from Mexico. New genus near *Ozophora* at Laredo, Tex., on bromeliad in cargo from Mexico.

*Lygaeus*(?) n. sp. (*Lygaeidae*), new to the National Museum collection, at Laredo, Tex., on orchid plant in baggage from Mexico.

*Megastigmus* sp., possibly *pictus* Mayr (Torymidae), at Hoboken, N.J., in white spruce seed in cargo from Denmark.

*Melanotrips* sp., probably *ficalbii* Buffa (Aeolothripidae), not presently represented in the National Museum collection, at New York, N.Y., on calla lily in aircargo from Israel.

*Metamasius* sp., near *rugipectus* Champ. (Curculionidae), at Laredo, Tex., on bromeliad plant in baggage from Mexico.

*Periphyllus* sp., perhaps *kuranaii* Takah. (Aphidae), at Honolulu, Hawaii, on maple tree in air baggage from Japan.

*Phyllobius* sp. (Curculionidae) at Hoboken, N.J., in wood moss with apple and quince stock in cargo from France.

*Phyllotreta* sp., possibly *nemorum* (L.) (Chrysomelidae), at New York, N.Y., in apple in baggage from Norway.

*Phytophaga* sp. (Cecidomyiidae) at Hoboken, N.J., in Norway spruce seed in cargo from Germany.

*Pineus* sp. (Chermidae), different from any seen from the United States, at Washington, D.C., on *Pinus sibirica* in aircargo from the Union of Soviet Socialist Republics.

*Podapion* sp., *gallicola* Riley or n. sp. (Curculionidae), at Laredo, Tex., on pine in cargo from Mexico. First record of the genus from Mexico.

*Polychisme* sp. (*Lygaeidae*) at Brownsville, Tex., in *Chamaedorea* sp. seed in cargo from Mexico. This is a South American genus; first record so far north.

*Premnotrypes* sp. (Curculionidae) at Houston, Tex., in potato in stores from Peru; at Miami, Fla., in potato in air baggage from Colombia; at New Orleans, La., in potato in stores from Peru; and at San Pedro, Calif., in potato in air baggage from Peru.

*Psylliodes* sp., probably *chrysoccephala* (L.) (Chrysomelidae), at Boston, Mass., on parsley in air stores from England.

*Steneotarsonemus* sp., probably n. sp. (Tarsonemidae), at Miami, Fla., on passionflower fruit in air baggage from Colombia.

*Strophosoma* sp. (Curculionidae) at Chicago, Ill., with forest litter packing in mail from Germany; and at Hoboken, N.J., in wood moss with apple and quince stocks in cargo from France.

*Tenuipalpus* sp., probably n. sp. (Tenuipalpidae), at Washington, D.C., on *Spathiphyllum* sp. in aircargo from Indonesia.

*Tetraliria* n. sp. (Aleyrodidae) at Nogales, Ariz., on breadnut tree in baggage from Mexico.

*Tetranychus* n. sp. (Tetranychidae) at Honolulu, Hawaii, on carnation flower in air baggage from Japan.

*Trionymus* sp. (Coccidae), not placed as a described species, at Hoboken, N.J., on cactus in mail from England.

## DISEASES

Incompletely determined pathogens of special interest were:

*Asochyta* sp. at El Paso, Tex., on lentil seed in mail from Germany. This is the first report on this host as far as is known.

*Cercospora* sp., close to *sapindi* Obregon-Brotere, at Miami, Fla., on genip fruit in air baggage from Nicaragua. No *Cercospora* has been previously reported on this host.

*Cercospora* sp. at Brownsville, Tex., on *Aglaonema* sp. leaf in cargo from Mexico; and at Miami, Fla., on philodendron leaf in air baggage from Jamaica.

*Coniothyrium* sp. at Honolulu, Hawaii, on lemon in air stores from Australia, on Mandarin orange in air quarters and air stores from Japan, and on sweet orange in air baggage and air stores from Japan.

*Elsinoe* sp. (not typical) at San Juan, P.R., on lemon in air stores from the West Indies.

*Elsinoe* sp. at Miami, Fla., on Satsuma orange in air baggage from Argentina and in air stores from South America.

*Gloeosporium* sp. at Key West, Fla., on *Myroxylon pereirae* seed pod in air baggage from Cuba. No previous reports on this host as far as known.

*Helminthosporium* sp. at New York, N.Y., on *Trema guinensis* leaf in air cargo from Liberia.

*Phyllosticta* sp. at Brownsville, Tex., on peperomia leaf in cargo from Mexico (first report on this host as far as known); and at New York, N.Y., on *Trema guinensis* leaf in air cargo from Liberia.

*Sphenospora* sp. at Miami, Fla., on *Ionopsis utricularioides* leaf in air baggage from Jamaica.

*Stagonospora* sp. at Boston, Mass., on red pepper in stores from Mozambique. First report of this on *Capsicum* as far as known.

## NEMATODES

*Aphelenchoides* sp. at Brownsville, Tex., in tuftroot in cargo from Mexico; at Hoboken, N.J., in cyclamen tuber in cargo from Italy and in dahlia root in mail from Belgium, Canada, and Switzerland; at Nogales, Ariz., in soil with caladium plant in baggage from Mexico; at San Diego, Calif., in ginger root in stores from Japan; and at San Ysidro, Calif., in Indiarubber fig roots in air baggage from Mexico.

*Aphelenchus* sp. at Hoboken, N.J., in cyclamen tuber in cargo from Italy.

*Cricconemoides* sp. at Laredo, Tex., in soil with *Cymbopogon* sp. and *Ipomoea* sp. plants in baggage from Mexico.

*Ditylenchus* sp. at New Orleans, La., in garlic in cargo from Italy.

*Helicotylenchus* sp. at Boston, Mass., in canna roots in air baggage from the Azores; at Brownsville, Tex., in soil with begonia plant in baggage from Mexico; at El Paso, Tex., in soil with various plants in baggage from Mexico; at Laredo, Tex., in amaryllis roots, grass roots, soil with azalea, lily, and various plants in baggage from Mexico and in soil with railway car from Mexico; and at Nogales, Ariz., in soil with *Eriobotrya* sp. in baggage from Mexico.

*Heterodera* sp., probably *rostochiensis*, at Boston, Mass., in soil with potato in stores from Spain.

*Heterodera* sp., probably *trifolii* (Goffart) Oostenbrink, at Boston, Mass., in soil with spruce in cargo from Germany.

Other members of the genus *Heterodera* were intercepted 113 times at 23 ports from the following countries: Argentina, Australia, Austria, Azores, Barbados, Belgium, Bermuda, British Honduras, Canada, Czechoslovakia, England, Estonia, Federation of Malaya, France, Germany, Greece, Ireland, Italy, Japan, Korea, Mexico, Netherlands, New Zealand, Northern Ireland, Norway, Scotland, Sweden, United Arab Republic, and an unknown origin. These were taken from air baggage and baggage in soil samples and soil with the following plants: Begonia, chrysanthemum, cyclamen, *Dianthus* sp., fern, fig, forget-me-not, geranium, heather, herb, lemon, *Mespilus* sp., mint, oregano, philodendron, rose, shamrock, silver crassula, strawberry, sweetpotato, tree tomato, various unidentified plants, violet, and wormwood; from airmail and mail in soil with asters, fig cuttings, gladiolus, pansy plants, and shamrock plants; from cargo in soil with new and used automobiles, cabbage, cycad plant, lily bulb, potato, tanks, and trucks; and from stores in soil with beet, burdock, cabbage, carrot, celeriac, horseradish, leek, onion, parsley, parsnip, potato, rutabaga, salsify, and turnip.

*Hoplolaimus* sp. at Laredo, Tex., in grass roots and in soil with unidentified plant in baggage from Mexico.

*Meloidogyne* sp., possibly *arenaria*, at Hoboken, N.J., in iris roots in mail from India.

*Meloidogyne* sp., probably *hapla*, at Hoboken, N.J., in rose plant in mail from Germany.

*Meloidogyne* sp., probably *incognita acrita*, at Washington, D.C., in *Piper* sp. in airmail from the Netherlands.

*Meloidogyne* sp. at Brownsville, Tex., in tuftroot in cargo from Mexico; at Hoboken, N.J., in achimenes tubers in aircargo from India, in African agapanthus roots in cargo and mail from Japan, in anemone roots in mail from England, in astilbe roots in mail from England and cargo from the Netherlands, in begonia tubers in mail from Japan, in bigleaf goldenray roots in cargo from Germany, in caladium tubers in cargo from Guatemala, in calla lily tubers in baggage from Tanganyika, cargo from France and Japan, and mail from India, in clematis roots in airmail and mail from England and cargo from the Netherlands, in cohosh bugbane roots in mail from England, in coralbells in cargo from the Netherlands, in dahlia roots in mail from France, in epimedium roots in airmail from England, in geranium in airmail from England and cargo from the Netherlands, in gerbera roots in mail from India, in Japanese iris in cargo from Japan, in monkshood roots in mail from England, in peony in cargo from the Netherlands, in plantain lily roots in cargo from Japan, in rose plants in mail from France, Germany, and Portugal, in tree peony roots in cargo from Japan, in tuberose bulb in mail from India, and in turmeric rhizome in mail from India; at Laredo, Tex., in beet roots, elephantsear, lime seedling, and succulent plant in baggage from Mexico; at Philadelphia, Pa., in potato in stores from Brazil; at San Diego, Calif., in sweetpotato tuber in stores from Mexico; and at San Francisco, Calif., in begonia tuber and gladiolus corm in cargo from Japan, and in resurrection lily in aircargo from Singapore.

*Pratylenchus* sp. at Boston, Mass., in soil with unidentified plants in air baggage from Finland; at Brownsville, Tex., in heliconia roots in cargo from Mexico; and at Hoboken, N.J., in roots of astilbe, Christmas-rose, clematis, coral torchlily, fringed iris, *Helleborus odoratus*, Japanese iris, and phlox in cargo, and in monkshood roots in mail from the Netherlands; in clematis roots in mail from England; and in Japanese iris in cargo from Japan.

*Psilenchus* sp. at El Paso, Tex., in soil with rose plant in baggage from Mexico.

*Rhabditis* sp. at San Diego, Calif., in ginger root in stores from Japan.

*Rotylenchulus* sp. at Miami, Fla., in soil with miscellaneous plants in air baggage from Jamaica.

*Scutellonema* sp. at Laredo, Tex., in soil with plants in baggage from Mexico.

*Trophurus* sp., possibly a new species, at Brownsville, Tex., in soil with begonia plant in baggage from Mexico.

*Tylenchorhynchus* sp. at Laredo, Tex., in soil with begonia plant and unidentified plant in baggage from Mexico; and at Nogales, Ariz., in soil with coleus and philodendron in baggage from Mexico.

*Tylenchus* sp. at El Paso, Tex., in soil with dead plants and rose plant in baggage from Mexico.

*Xiphinema* sp. at Laredo, Tex., in selaginella roots in cargo and in soil with yam in baggage from Mexico.

## LIST OF INTERCEPTED PLANT PESTS, 1960

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## Summary of Numbers of Interceptions Listed in Main Table

Country	Insect	Disease	Country	Insect	Disease	
<b>Africa:</b>						
Africa (country(?))	0	1	Greece	40	2	
Algeria	3	0	Hungary	7	0	
Canary Islands	1	0	Ireland	18	3	
Cape Verde Islands	5	0	Italy	338	19	
French Equatorial Africa	1	0	Italy(?)	0	1	
Kenya	0	1	Luxembourg	3	0	
Liberia	1	0	Netherlands	89	21	
Libya	10	0	Northern Ireland	1	2	
Morocco	72	0	Norway	13	2	
Morocco(?)	1	0	Poland	6	0	
Mozambique	0	1	Portugal	32	4	
Nigeria	3	0	Rumania	1	0	
Republic of the Congo	3	0	Scotland	21	1	
Sudan	7	0	Spain	31	4	
Tunisia	1	0	Sweden	10	0	
Union of South Africa	26	36	Switzerland	7	33	
United Arab Republic	11	0	Union of Soviet Socialist Re-publics	2	2	
<b>Asia:</b>						
Asia (country(?))	1	0	Yugoslavia	3	1	
Burma	2	0	<b>North America:</b>			
Ceylon	8	0	Alaska	0	2	
China	5	18	Bermuda	14	3	
Cyprus	2	0	Canada	2	7	
Federation of Malaya	1	1	<b>Central America:</b>			
Formosa	17	9	British Honduras	12	2	
Formosa(?)	1	0	Canal Zone	9	3	
Hong Kong	26	14	Central America (coun-try(?))	2	0	
India	48	3	Costa Rica	16	12	
Indonesia	5	0	El Salvador	25	0	
Iran	6	1	Guatemala	25	12	
Israel	22	0	Honduras	6	0	
Japan	476	382	Nicaragua	17	2	
Japan(?)	4	1	Panama	22	3	
Korea	2	0	Mexico	417	67	
Kuwait	1	0	<b>West Indies:</b>			
Lebanon	8	0	Antigua	5	0	
Pakistan	8	1	Bahamas	5	6	
Singapore	9	6	Barbados	4	0	
Thailand	4	2	British West Indies	1	0	
Turkey	7	1	Cuba	69	9	
Vietnam	2	0	Curacao	3	0	
<b>Australasia:</b>						
American Samoa	8	0	Dominican Republic	14	0	
Australia	11	33	Grand Cayman	1	0	
Australia(?)	1	0	Haiti	11	2	
Fiji Islands	3	0	Jamaica	42	2	
Guam	4	3	Netherlands West Indies	1	0	
Hawaii	423	3	Puerto Rico	29	1	
Hawaii(?)	1	0	Trinidad	10	2	
Kwajalein(?)	1	0	<b>South America:</b>			
Midway Islands	1	0	Argentina	6	41	
Netherlands New Guinea	1	0	Brazil	51	67	
New Guinea	1	0	British Guiana	4	1	
New Zealand	2	21	Chile	102	5	
Norfolk Island	0	8	Colombia	13	2	
Okinawa	2	0	Ecuador	97	4	
Philippines	18	0	Peru	5	4	
Saipan	0	1	Surinam	2	0	
South Pacific	1	0	Uruguay	0	1	
Tahiti	3	0	Venezuela	4	0	
Wake Island(?)	4	0	Totals:			
West Pacific	6	0	Africa	145	39	
<b>Europe:</b>						
Austria	2	1	Asia	665	435	
Azores	24	0	Australasia	491	69	
Belgium	22	5	Europe	851	157	
Czechoslovakia	1	3	North America	762	140	
Denmark	10	0	South America	284	125	
England	46	25	Unknown	106	27	
England(?)	0	1	Total	3,304	992	
Europe (country(?))	1	0	Total incompletely deter-mined pests	2,897	829	
Finland	0	1	Total insect interceptions	6,201	-----	
France	78	4	Total disease interceptions		1,821	
France(?)	1	0	Grand total*		8,022	
Germany	43	22				
Germany(?)	1	0				

\*This total represents only pests of known or potential plant quarantine importance or organisms of scientific significance. The total of all interceptions made during the year was 30,230.

NOTE.—Interceptions were also made from the American Virgin Islands, Angola, Anguilla, Aruba, Bolivia, British Samoa, British Virgin Islands, Cayman Islands, Christmas Island, Eniwetok, Estonia, Ghana, Guernsey, Johnston Island, Jordan, Madeira Islands, Malta, Martinique, St. Kitts, St. Lucia, Sierra Leone, Tanganyika, Tortola, and Wales.

Pests Collected and Reported From July 1, 1959, Through June 30, 1960

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Acanthoderes circumflexa</i> Jacq. Duv. (Cerambycidae): Airplane	Cuba		1		Fla.
<i>Acanthoscelides armigera</i> (Pic) (Bruchidae): <i>Cajanus cajan</i> (pigeonpea)	Panama	1			N.Y.
<i>Aceria macrochelus</i> (Nal.) (Eriophyidae): <i>Acer pseudoplatanus</i> (planetree maple)	France		2		Mass.
<i>Aceria macrorhynchus</i> (Nal.) (Eriophyidae): <i>Acer pseudoplatanus</i> (planetree maple)	do		1		Mass.
<i>Achaea janata</i> (L.) (Noctuidae): Mail parcel	Hawaii	1			Hawaii
<i>Acladra fraterna</i> (Stal) (Pentatomidae): <i>Vitis</i> sp. (grape)	Chile	1			N.Y.
<i>Acrolepia assectella</i> (Zell.) (Hyponomeutidae): <i>Allium porrum</i> (leek)	Italy, Japan, Netherlands		9		N.Y., Pa., S.C.
<i>Aculus aceris</i> (Nal.) (Eriophyidae): <i>Acer pseudoplatanus</i> (planetree maple)	France		2		Mass.
<i>Adela ochensisheimeriella</i> (Hbn.) (Adelidae): <i>Pinus</i> sp. (pine)	Switzerland	1			N.Y.
<i>Adoretus sinicus</i> (Burm.) (Scarabaeidae): Airplane	Hawaii		1		Hawaii
<i>Alpinia purpurata</i> (cut flowers)	do	1			Hawaii
<i>Anthurium</i> sp.	do	1			Hawaii
Automobile	do	1			Hawaii
Baggage	do	4			Hawaii
Clothing	do	1			Hawaii
Flowers—mixed	do	4			Hawaii
Mail wrapper	do	4			Hawaii
Seeds	do	1			Hawaii
<i>Tillandsia</i> sp.	do	1			Hawaii
<i>Vanda</i> sp. (orchid) flowers	do	2			Hawaii
<i>Adoxophyes orana</i> (F.R.) (Tortricidae): <i>Syringa</i> sp. (lilac) cut	Netherlands	4			N.Y.
<i>Aethus indicus</i> (Westw.) (Cydnidae): Airplane	Japan, Philippines, West Pacific		3		Hawaii
<i>Aganactesta indecora</i> Dyar (Galleriidae): <i>Cassia</i> sp. (seeds) seed pod	Jamaica		2		Fla.
<i>Agriotes lineatus</i> (L.) (Elateridae): <i>Solanum tuberosum</i> (potato)	Spain		1		Pa.
<i>Agriotes obscurus</i> (L.) (Elateridae): Soil with <i>Prunus mackii</i> (Amur chokecherry)	Union of Soviet Socialist Republics		1		D.C.
<i>Aleurocanthus spiniferus</i> (Q.) (Aleyrodidae): <i>Citrus sinensis</i> (sweet orange) leaf	Japan		1		Wash.
<i>Aleurocanthus woglumi</i> Ashby (Aleyrodidae): <i>Citrus aurantifolia</i> (lime) leaf	Mexico	1			Tex.
<i>C. sinensis</i> (sweet orange) leaf	do	3			Tex.
<i>Citrus</i> sp. (leaf)	do	13			Ariz., Tex.
<i>Aleuroglandulus emmae</i> Rsl. (Aleyrodidae): <i>Gardenia augusta</i> (leaf)	Cuba	1			Fla.
<i>Mentha</i> sp. (mint) leaf	Mexico		1		Calif.*
<i>Aleurolobus olivinus</i> Silvestri (Aleyrodidae): <i>Olea europaea</i> (olive) leaf	Cyprus, Italy	2			N.Y.
<i>Aleurolobus taonabae</i> Kuwana (Aleyrodidae): <i>Vitis</i> sp. (grape) leaf	Japan		1		D.C.
<i>Aleuroparadoxus gardeniae</i> Rsl. (Aleyrodidae): <i>Gardenia</i> sp. (leaf)	Mexico	1			Tex.
<i>Aleuroplatus variegatus</i> Q. & B. (Aleyrodidae): <i>Chamaedorea elegans</i> (palm) leaf	Guatemala	1			Tex.
<i>Chamaedorea</i> sp. (leaf)	do	1			Tex.
Leaf—unidentified	do	2			Tex.
<i>Aleurothrixus myrtacei</i> Bondar (Aleyrodidae): <i>Gardenia augusta</i> (leaf)	Guatemala	1			Ariz.
<i>Aleurotuberculatus similis</i> Takah. (Aleyrodidae): <i>Camellia japonica</i> var. <i>rusticana</i>	Japan		1		D.C.
<i>Ilex crenata radicans</i>	do		1		D.C.
<i>I. leptacantha</i>	do		1		D.C.
<i>Aleyrodes proletella</i> L. (Aleyrodidae): <i>Clematis</i> hybrid	England		1		N.J.

## LIST OF INTERCEPTED PLANT PESTS, 1960

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Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Alpheias conspirata</i> Hein. (Galleriidae): <i>Ananas comosus</i> (pineapple)	Mexico	1	—	—	Tex.
<i>Amphimallon majalis</i> Raz. (Scarabaeidae): Airplane	France, unknown	—	2	—	N.J., N.Y.
<i>Amyna natalis</i> (Wlk.) (Noctuidae): Airplane	Japan	—	1	—	Hawaii.
<i>Anacridium aegyptium</i> L. (Acrididae): Baggage	Italy	1	—	—	N.Y.
<i>Anastrepha ludens</i> (Loew) (Tephritidae): <i>Calocarpum sapota</i> (mamey sapote)	Mexico	4	—	—	Ariz., N.Y.
<i>Casimiroa edulis</i> (white sapote)	do	1	—	—	Tex.
<i>Citrus aurantifolia</i> (sweet lime)	do	8	—	—	Ariz., Calif., Tex.
<i>C. aurantium</i> (sour orange)	do	1	—	—	Tex.
<i>C. paradisi</i> (grapefruit)	do	11	—	—	Tex.
<i>C. sinensis</i> (sweet orange)	Guatemala, Mexico, unknown	93	9	—	Ala., Ariz., Calif., Fla., La., N.Y., Tex., Va.
<i>Cydonia oblonga</i> (quince)	Mexico	1	—	—	Tex.
<i>Malus sylvestris</i> (apple)	do	2	—	—	Tex.
<i>Mangifera indica</i> (mango)	Guatemala, Mexico	27	1	—	Ariz., Calif., Fla., Ill., La., Tex.
<i>Prunus persica</i> (peach)	Mexico	2	—	—	Tex.
<i>Punica granatum</i> (pomegranate)	do	4	—	—	Ariz., Tex.
<i>Pyrus communis</i> (pear)	do	5	1	—	Tex.
<i>Anastrepha mombinpraepoptans</i> Sein (Tephritidae): <i>Achras zapota</i> (sapodilla)	Curacao	1	—	—	N.Y.
<i>Mangifera indica</i> (mango)	Bahamas, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico	78	17	—	Ala., Calif., Fla., Ga., Ill., La., Mass., N.Y., Pa., P.R., S.C., Tex.
<i>Psidium guajava</i> (guava)	Puerto Rico	1	—	—	N.Y.
<i>Spondias mombin</i> (yellow mombin)	Bahamas, Costa Rica, El Salvador, Guatemala, Nicaragua, Puerto Rico	14	—	—	Calif.,* Fla., P.R.
<i>Spondias purpurea</i> (purple mombin)	El Salvador, Guatemala, Mexico, Panama	6	—	—	Fla., Tex.
<i>Spondias</i> sp. (mombin)	Guatemala	2	—	—	La.
<i>Terminalia catappa</i> (tropical almond)	Jamaica	1	—	—	Calif.*
<i>Anastrepha serpentina</i> (Wied.) (Tephritidae): <i>Achras zapota</i> (sapodilla)	Nicaragua	1	—	—	Calif.*
<i>Calocarpum sapota</i> (mamey sapote)	El Salvador	1	—	—	Calif.*
<i>Anastrepha striata</i> Schin. (Tephritidae): <i>Psidium guajava</i> (guava)	do	1	—	—	Calif.*
<i>Anastrepha suspensa</i> (Loew) (?) (Tephritidae): <i>Psidium guajava</i> (guava)	Puerto Rico	1	—	—	P.R.
<i>Psidium</i> sp.	Haiti	1	—	—	Fla.
<i>Anechura varia</i> Scudd. (Forficulidae): Orchid	Mexico	—	—	1	Tex.
<i>Anomala orientalis</i> Waterh. (Scarabaeidae): Airplane	Haiti, Japan	—	2	—	Fla., Hawaii.
<i>Iris tingitana</i> x <i>I. xiphium</i> Wedgwood	Israel	—	—	1	D.C.
<i>Anthonomus albolineatus</i> Champ. (Curculionidae): Bromeliad	Mexico	—	—	1	Tex.
<i>Antonina graminis</i> Mask. (Coccidae): <i>Pterostylis</i> sp. (orchid)	Singapore	—	—	1	Hawaii.*
<i>Aonidiella inornata</i> McKenzie (Coccidae): Palm (leaf)	Japan	—	1	—	Calif.*
<i>Apion carduorum</i> Kirby (Curculionidae): <i>Cynara scolymus</i> (globe artichoke)	France, Italy	1	2	—	N.Y.
<i>Aracecerus leipenensis</i> Jord. (A nthribidae): <i>Leucaena glouca</i>	Hawaii	1	—	—	Hawaii.

Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consignee Nomenclature	Nonentry	Propagation	
<i>Archips prounubanus</i> (Hbn.) (?) (Tortricidae):					
<i>Diospyros</i> sp. (persimmon)	Italy	1			N.Y.
<i>Jasminum</i> sp. (jasmine)	do		2		N.Y.
<i>Prunus domestica</i> (plum)	Portugal	1			N.Y.
<i>Punica granatum</i> (pomegranate)	Greece, Italy	2			N.Y.
<i>Arcte coerula</i> (Guen.) (Noctuidae):					
Airplane					
<i>Ardis suteata</i> (Cam.) (Tenthredinidae):					
<i>Rosa</i> hybrid	Italy, Portugal	1		1	Mass.
<i>Argyresthia conjugella</i> (Zell.) (Hyponomeutidae):					
<i>Malus sylvestris</i> (apple)	France(?) Germany, Norway, Sweden, unknown.	13	1		Calif., * N.Y.
<i>Arion ater</i> (L.) (Arionidae):					
<i>Brassica oleracea capitata</i> (cabbage)	Azores, Portugal	2			Fla., N.Y.
<i>Lactuca sativa</i> (lettuce)	France, Spain	2			N.Y.
<i>Urginea maritima</i> (shore drugsquill)	Portugal		1		D.C.
<i>Aspidiotus palmae</i> Ckll. (Coccidae):					
<i>Cocos nucifera</i> (coconut)	Mexico	1			Calif.*
<i>Asterolecanium epidendri</i> (Bouché) (Coccidae):					
Orchid	Brazil			1	Fla.
<i>Athesapeta cyperi</i> Mshl. (Curculionidae):					
<i>Vanda</i> sp. (orchid) flowers	Hawaii	2			Hawaii.
<i>Aulacoscelis melanocera</i> Dup. & Chevr. (Chrysomelidae):					
<i>Dioon edule</i>	Mexico			1	Tex.
<i>Baris lepidii</i> Germ. (Curculionidae):	Austria, Yugoslavia	1		1	N.Y.
<i>Armoracia rusticana</i> (horseradish)	Mexico			1	Calif.
<i>Batrachodrepana linearis</i> Clarke (Cosmopterygidae):					
<i>Agave shawii</i>	Hawaii			1	Hawaii.
<i>Benisia giffardi</i> (Kot.) (Aleyrodidae):					
<i>Citrus sinensis</i> (sweet orange) leaf	Mexico			1	Pa.
<i>Bephratella maculicollis</i> Cam. (Eurytomidae):					
<i>Annona muricata</i> (soursop)	Venezuela	1			Fla.
<i>Bergallia signata</i> (Stal) (Cicadellidae):					
Flowers—mixed	Chile		1		
<i>Blastodacna atra</i> (Haw.) (Cosmopterygidae):					
<i>Malus sylvestris</i> (apple)	Turkey	1			N.J.
<i>Blissus diploterus</i> Dist. (Lygaeidae):					
<i>Prunus persica</i> (peach)	Union of South Africa	1			N.Y.
<i>Bostrychus cuniculus</i> (Fab.) (Scarabaeidae):					
Quarters (of tanker)	Unknown		1		St. Thomas & St. John.
<i>Brachycerus albidentatus</i> Gyll. (Curculionidae):					
<i>Allium sativum</i> (garlic)	Italy	2			N.Y.
<i>Brachycerus aligrus</i> (F.) (Curculionidae):					
<i>Allium sativum</i> (garlic)	Italy, Spain	3			N.Y.
<i>Bradybaena similaris</i> (Fer.) (Bradybaenidae):					
<i>Celosia</i> sp. (ockscomb)	Mexico	1			Tex.
<i>Eryngium foetidum</i>	Cuba	1			Fla.
Flowers—mixed	Hawaii	4			Hawaii.
<i>Licuala</i> sp. (palm)	Cuba	1			N.Y.
<i>Mentha</i> sp. (mint)	Bermuda	1			N.Y.
Orchid	Brazil, Hawaii		2		Calif., * Fla.
Soil with plants	Bermuda, Brazil		1	1	Fla., N.Y.
<i>Tagetes florida</i> (marigold)	Bermuda	1			N.Y.
<i>Vanda joaquimiae</i> (orchid)	Hawaii	2			Hawaii.
<i>Vanda</i> sp.	do	9	2		Calif., * Hawaii.
<i>Brevipalpus chilensis</i> Baker (Tenuipalpidae):					
<i>Annona reticulata</i> (custard-apple)	Chile	1			Fla.
<i>Citrus sinensis</i> (sweet orange)	do	1			Fla.
<i>Vitis</i> sp. (grape)	do	39			N.Y.
<i>Brevipalpus phobatus</i> Dom. (Tenuipalpidae):					
<i>Citrus reticulata</i> (Mandarin orange)	Argentina	1			Fla.
<i>Crassula</i> sp.	Netherlands		1		D.C.
Palm	Japan	1			Calif.*
<i>Rhododendron</i> sp.	do		1		D.C.
<i>Rosa</i> hybrid	Argentina		1		Fla.
<i>Vitis</i> sp. (grape)	Chile	2			N.Y.
<i>Bruchidius trifolii</i> (Mots.) (Bruchidae):					
<i>Trifolium incarnatum</i> (crimson clover) seed	Italy		1		S.C.

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		Consumption	Nonentry	Propagation	
<i>Bruchus affinis</i> Froel. (Bruchidae):					
<i>Lathyrus latifolius</i> (perennial pea)	Denmark, France			2	Minn., N.J.
<i>Lathyrus</i> sp. (seed)	Netherlands			1	N.J.
<i>Bruchus dentipes</i> (Baudi) (Bruchidae):					
<i>Vicia faba</i> (broadbean)	Greece		1		N.C.
<i>Bruchus guttatus</i> Rey (Bruchidae):					
<i>Vigna sativa</i> (vetch) straw jacket	France	1			N.Y.
<i>Bruchus lenticis</i> Froel. (Bruchidae):					
<i>Lens culinaris</i> (lentil)	Italy		1		N.Y.
<i>Bruchus signaticornis</i> Gyll. (Bruchidae):					
<i>Lens culinaris</i> (lentil)	do	1			N.Y.
<i>Bruchus tristis</i> Boh. (Bruchidae):					
<i>Lathyrus</i> sp. (seed)	do	1			Ill.
<i>Vicia faba</i> (broadbean)	do	1			N.Y.
<i>Cactophagus validirostris</i> (Gyll.) (Curculionidae):					
<i>Philodendron hastatum</i>	Mexico	1			Tex.
<i>Callidium rufipenne</i> Motsch. (Cerambycidae):					
<i>Camellia japonica</i>	Japan	1			N.J.
Wood—unidentified	do	1	1		Fla., Hawaii
<i>Callosobruchus analis</i> (F.) (Bruchidae):					
<i>Cicer arietinum</i> (chickpea)	Hong Kong	1			N.Y.
<i>Pisum sativum</i> (pea)	China		1		Wash.
<i>Callosobruchus phaseoli</i> (Gyll.) (Bruchidae):					
<i>Dolichos lablab</i> (hyacinth bean)	Republic of the Congo	1			N.Y.
<i>Phaseolus vulgaris</i> (bean)	Cape Verde Islands	3			N.Y.
<i>Sesbania</i> sp. (flowers)	Hawaii	1			Hawaii.
<i>Callosobruchus subinnotatus</i> (Pic) (Bruchidae):					
<i>Phaseolus vulgaris</i> (bean)	Cape Verde Islands	1			N.Y.
<i>Calyptcephala gerslaeckeri</i> Boh. (Chrysomelidae):					
<i>Chamaedorea oblongata</i> (palm)	Mexico	1			Tex.
<i>Calyptcephala marginipennis</i> Boh. (Chrysomelidae):					
<i>Chamaedorea elegans</i> (palm)	do	2			Tex.
<i>Capaneus tetricus</i> Stal (Coreidae):					
<i>Bromelia</i> sp.	do			1	Tex.
<i>Carposina nipponensis</i> Wlghm. (Carposinidae):					
<i>Malus sylvestris</i> (apple)	Japan		2		Calif.,* Hawaii.
<i>Prunus domestica</i> (plum)	Hong Kong	1			Mich.
<i>Carvedon fuscus</i> (Goeze) (Bruchidae):					
<i>Tamarindus indica</i> (tamarind)	Republic of the Congo, Philippines	2			Hawaii, N.Y.
<i>Cassida nebulosa</i> (L.) (Chrysomelidae):					
Moss (packing)	Netherlands			1	N.J.
<i>Cassida sanguinolenta</i> Müll. (Chrysomelidae):					
<i>Cynara scolymus</i> (globe artichoke)	Italy			1	N.Y.
<i>Cassida vibex</i> L. (Chrysomelidae):					
<i>Cynara scolymus</i> (globe artichoke)	do	1			N.Y.
<i>Cataglyphus carrenoi</i> (Le Guillou) (Pentatomidae):					
Airplane	Formosa		1		Hawaii.
<i>Catorama herbarium</i> Gorham (Anobiidae):					
Burlap	Hawaii	1			Pa.
<i>Cecidoloides acicula</i> (Müller) (Achatinidae):					
Soil	Germany	1			Mich.
Soil with various plants	Italy, Panama, Turkey		5		Fla., Mass.
Trifolium sp. (clover)	Greece		1		Mass.
<i>Cepaea nemoralis</i> (L.) (Helicidae):					
Automobile	England	1			Md.
<i>Cephaleoleia pretiosa</i> Baly (Chrysomelidae):					
<i>Musa paradisiaca</i> (plantain)	Panama	1			N.Y.
<i>Ceratitis capitata</i> (Wied.) (Tephritidae):					
Baggage (with <i>Castanea</i> sp.)	Italy	1			N.Y.
<i>Citrus limon</i> (lemon)	Greece	1			N.Y.
<i>C. paradisi</i> (grapefruit)	Cyprus, Italy, Turkey	1	2		Fla., N.Y., N.C.
<i>C. reticulata</i> (Mandarin orange)	Algeria, Italy, Spain, Tunisia	4	3		Fla., N.Y., Tex.
<i>C. sinensis</i> (sweet orange)	Brazil, Israel, Italy, Portugal, Spain, Union of South Africa	8	10		Fla., Ga., Md., Mass., N.J., N.Y., Pa., Tex.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consum- tion	Nonen- try	Propaga- tion	
<i>eratitis capitata</i> —Continued <i>Coffea arabica</i> (Arabian coffee).....	Brazil, Hawaii.....	30	.....	.....	Calif., * Fla., Hawaii.
<i>Coffea</i> sp.....	Brazil.....	4	.....	.....	Fla., N.Y.
<i>Cydonia oblonga</i> (quince).....	Greece, Italy, Lebanon.....	5	.....	.....	N.Y.
<i>Diospyros</i> sp. (persimmon).....	Italy.....	4	.....	.....	N.Y.
<i>Eriobotrya japonica</i> (loquat).....	Azores, Italy.....	3	.....	.....	Mass., N.Y.
<i>Eugenia uniflora</i> (pitanga).....	Hawaii.....	1	.....	.....	Hawaii.
<i>Ficus carica</i> (fig).....	Argentina, Greece, Israel, Italy, United Arab Republic, Hawaii.....	16	.....	.....	Fla., Mass., N.Y.
Fruit—unidentified.....	.....	2	.....	.....	Hawaii.
<i>Malus sylvestris</i> (apple).....	Azores, Israel, Italy, Portugal.....	6	4	.....	Fla., Mass., N.Y.
<i>Malus</i> sp.....	Azores, Italy.....	3	1	.....	N.Y.
<i>Opuntia humifusa</i> (pricklypear).....	Italy.....	8	.....	.....	.....
<i>Opuntia</i> sp. (cactus) fruit.....	do.....	2	.....	.....	.....
<i>Phaleria papuana</i> (seed of fruit).....	Indonesia.....	.....	1	.....	D.C.
<i>Prunus armeniaca</i> (apricot).....	Italy.....	.....	1	.....	N.Y.
<i>P. domestica</i> (plum).....	Unknown.....	1	.....	.....	.....
<i>P. persica</i> (peach).....	Azores, Greece, Italy, Portugal, Spain, Union of South Africa, unknown.....	16	14	.....	Fla., Mass., N.Y., P.R.
<i>Psidium guajava</i> (guava).....	.....	.....	.....	.....	.....
<i>Punica granatum</i> (pomegranate).....	Hawaii, Israel, Italy.....	3	.....	.....	Hawaii, N.Y.
<i>Pyrus communis</i> (pear).....	Azores, Greece, Hungary, Italy, unknown, do.....	10	2	.....	Mass., N.J., N.Y., Fla.
Quarters (on window).....	.....	.....	1	.....	.....
<i>Vitis</i> sp. (grape).....	.....	.....	1	.....	N.Y.
<i>Ceratitis capitata</i> (Wied.) (?) (Tephritidae):					
<i>Citrus sinensis</i> (sweet orange).....	do.....	.....	1	.....	N.J.
<i>Coffea arabica</i> (Arabian coffee).....	Hawaii.....	5	.....	.....	Hawaii.
<i>Ficus carica</i> (fig).....	Greece, Italy.....	3	.....	.....	N.Y.
<i>Lycopersicon esculentum</i> (tomato).....	Hawaii.....	1	.....	.....	Hawaii.
<i>Passiflora</i> sp. (passionflower) fruit.....	Portugal.....	1	.....	.....	Mass.
<i>Prunus persica</i> (peach).....	Italy.....	1	.....	.....	N.Y.
<i>Psidium guajava</i> (guava).....	Hawaii.....	1	.....	.....	Hawaii.
<i>Vitis</i> sp. (grape).....	Union of South Africa.....	1	.....	.....	N.Y.
<i>Cercyonota anomella</i> (Sepp) (Stenomidae):					
<i>Annona muricata</i> (soursop).....	Haiti.....	1	.....	.....	N.Y.
<i>A. reticulata</i> (custard-apple).....	British Honduras.....	1	.....	.....	Fla.
<i>Ceresium unicolor</i> (F.) (Cerambycidae):					
Flowers (lels).....	Hawaii.....	1	.....	.....	Hawaii.
<i>Ceroplastes rubens</i> Mask. (Coccidae):					
<i>Alyxia oliviformis</i> (maile alyxia).....	do.....	1	.....	.....	Calif.*
<i>Cerotoma ruficornis</i> (Olk.) (Chrysomelidae):					
<i>Cajanus cajan</i> (pigeonpea).....	Puerto Rico.....	1	.....	.....	P.R.
<i>Cucumis sativus</i> (cucumber).....	British West Indies.....	1	.....	.....	St. Croix.
<i>Phaseolus vulgaris</i> (bean).....	Cuba.....	1	.....	.....	Fla.
<i>Ceutorhynchus pleurostigma</i> (Mshl.) (Curculionidae):					
<i>Brassica rapa</i> (turnip).....	France, Italy.....	2	.....	.....	Calif.*
<i>Chalciope hypaspis</i> (Cram.) (Noctuidae):					
Airplane.....	Okinawa.....	1	.....	.....	Hawaii.
<i>Chalepus acuticornis</i> Chap. (Chrysomelidae):					
Airplane.....	Mexico.....	1	.....	.....	Tex.
<i>Chalepus emiger</i> Cr. (Chrysomelidae):					
Bromeliad.....	Guatemala.....	.....	1	.....	Fla.
<i>Charidotis seminulum</i> (Boh.) (Chrysomelidae):					
<i>Chamaedorea oblongata</i> (palm).....	Mexico.....	1	.....	.....	Tex.
<i>Chamaedorea</i> sp.....	do.....	1	.....	.....	Tex.
<i>Chilo loftini</i> Dyar (Crambidae):					
<i>Saccharum officinarum</i> (sugarcane).....	do.....	14	.....	.....	Ariz., Tex.
<i>Chilo suppressalis</i> (Wlk.) (Crambidae):					
<i>Oryza sativa</i> (rice) straw.....	Hong Kong, Japan, Korea, unknown.	11	2	.....	Calif., Calif., * Fla., Hawaii., Tex., Wash.

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Pest and host	Country of origin	Number of interceptions in			Collected in—
		Consumption	Nonentry	Propagation	
<i>Chrysomela americana</i> (L.) (Chrysomelidae):					
<i>Rosmarinus officinalis</i> (rosemary)-----	Italy-----	1-----			N.Y.
<i>Chrysomphalus albopictus</i> (Ckll.) (Coccidae):					
<i>Cocos nucifera</i> (coconut)-----	Costa Rica-----	1-----			Calif.*
<i>Chrysomphalus bifasciulatus</i> Ferris (Coccidae):					
<i>Citrus sinensis</i> (sweet orange)-----	Japan-----		2-----		Calif.*
<i>Chrysomphalus calurus</i> (Ckll.) (Coccidae):					
<i>Spondias mombin</i> (yellow mombin)-----	Costa Rica, El Salvador, Nicaragua-----	4-----			Calif.*
<i>Chrysomphalus paulistus</i> (Hempel) (Coccidae):					
<i>Laurus nobilis</i> (Grecian laurel)-----	Brazil-----	1-----			Fla.
<i>Philodendron</i> sp.-----	do-----			2-----	D.C.
<i>Chrysomphalus personatus</i> (Comst.) (Coccidae):					
<i>Citrus aurantifolia</i> (lime)-----	Brazil, Costa Rica-----	1-----	1-----		Calif.*
<i>Cocos nucifera</i> (coconut)-----	Mexico-----	1-----			Calif.*
<i>Mangifera indica</i> (mango)-----	Nicaragua-----	1-----			Calif.*
<i>Chrysomphalus sphacroides</i> (Ckll.) (Coccidae):					
<i>Chamaedorea pygmaea</i> -----	Mexico-----			1-----	Calif.*
<i>Chrysomphalus umboniferus</i> (Newst.) (Coccidae):					
<i>Cattleya</i> sp. (orchid)-----	Costa Rica-----			1-----	Calif.*
<i>Cligenes delineata</i> (Dist.) (Lygaeidae):					
<i>Bromeliad</i> -----	Mexico-----			1-----	Tex.
<i>Orchid</i> -----	Central America (country (?))-----			1-----	Tex.
<i>Coccotrypes pygmaeus</i> Eichh. (Scolytidae):					
Palm (seed)-----	Brazil-----			1-----	N.Y.
<i>Coccus pseudomagnoliarum</i> (Kuw.) (Coccidae):					
<i>Citrus aurantium</i> (sour orange)-----	Japan-----		1-----		Calif.*
<i>Coccus viridis</i> (Green) (Coccidae):					
<i>Gardenia augusta</i> -----	Hawaii-----	16-----	3-----	1-----	Calif.*
<i>G. taitensis</i> -----	do-----	1-----			Calif.*
<i>Gardenia</i> sp.-----	do-----	1-----			Calif.*
<i>Cochlicella barbara</i> (L.) (Helicellidae):					
Automobile-----	France-----	1-----			La.
<i>Citrus limon</i> (lemon)-----	Algeria-----		1-----		Wash.
Military cargo-----	France, Italy, Morocco, Spain-----	26-----			La., N.Y., S.C., Va.
Seed—mixed-----	Italy-----			1-----	Mich.
<i>Cochlicella ventrosa</i> (Fer.) (Helicellidae):					
<i>Anthemis nobilis</i> (Roman camomile)-----	do-----	1-----			Calif.*
<i>Citrus limon</i> (lemon)-----	Algeria-----		1-----		Wash.
<i>Lactuca sativa</i> (lettuce)-----	Portugal-----		1-----		Mass.
<i>Mentha</i> sp. (mint)-----	Bermuda-----	1-----			N.Y.
Military cargo-----	Bermuda, Italy, Morocco-----	4-----			Mass., S.C.
<i>Pelargonium</i> sp.-----	Azores-----			1-----	Mass.
<i>Coelocnemis nigrostris</i> Solari (Curculionidae):					
<i>Chamaedorea</i> sp. (palm)-----	Mexico-----	1-----			Tex.
<i>Conoderus azoricus</i> Tarnier (Elateridae):					
Military cargo-----	Azores-----	1-----			Del.
<i>Conoderus bifoveatus</i> (Pall.) (Elateridae):					
Paper-----	Unknown-----		1-----		P.R.
<i>Conoderus exsul</i> (Sharp) (Elateridae):					
<i>Anthurium</i> sp.-----	Hawaii-----	2-----			Hawaii.
Foliage-----	do-----	1-----			Hawaii.
<i>Heliconia</i> sp. (flowers)-----	do-----	1-----			Hawaii.
Mail parcel-----	do-----	1-----			Hawaii.
Orchid (flowers)-----	do-----	1-----			Hawaii.
<i>Schinus</i> sp. (berry)-----	do-----	1-----			Hawaii.
<i>Vanda</i> sp. (orchid) flowers-----	do-----	3-----			Hawaii.
<i>Conoderus pallipes</i> (Esch.) (Elateridae):					
Airplane-----	Unknown, Wake Island (?)-----		2-----		Hawaii.
<i>Conoderus rufangulus</i> (Gyll.) (Elateridae):					
<i>Prunus persica nectarina</i> (nectarine)-----	Chile-----	1-----			N.Y.
<i>Vitis</i> sp. (grape)-----	do-----	11-----			N.Y.
<i>Conotelus mexicanus</i> Murr. (Nitidulidae):					
<i>Chrysanthemum</i> sp. (flowers)-----	Mexico-----	1-----			Tex.
Herbarium specimens-----	Guatemala-----	1-----			Tex.
<i>Plumeria</i> sp.-----	Hawaii-----	1-----			Hawaii.
<i>Vanda joaquimiae</i> (orchid) flowers-----	do-----	1-----			Hawaii.

Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—		
		Consumption	Nonentry Propagation	Collected in—
<i>Conotrachelus aquacatae</i> Barber (Curculionidae): <i>Persea americana</i> (avocado) -----	Mexico-----	24	1	Calif., Tex.
<i>Conotrachelus persae</i> Barber (Curculionidae): <i>Persea americana</i> (avocado) -----	Guatemala, Mexico-----	3	-----	Tex.
<i>Copris hispanus</i> L. (Scarabaeidae): Crate-----	Morocco (?)-----	1	-----	Va.
<i>Coptotermes crossus</i> Snyder (Rhinotermitidae): <i>Pinus</i> sp. (pine) -----	British Honduras-----	1	-----	La.
<i>Coptotermes vastator</i> Light (Rhinotermitidae): <i>Areca catechu</i> (betel palm) nuts-----	Philippines-----	1	-----	Hawaii.
<i>Cordylomera spinicornis</i> (F.) (Cerambycidae): <i>Khaya</i> sp. (African mahogany) -----	Union of South Africa-----	1	-----	La.
<i>Corythaica carinata</i> Uhler (Tingidae): <i>Lippia reptans</i> (leaf) -----	Cuba-----	1	-----	Fla.
<i>Cosmopolites sordidus</i> (Germ.) (Curculionidae): <i>Musa paradisiaca</i> (plantain) -----	Netherlands New Guinea, New Guinea-----	-----	2	D.C.
<i>Crambus ligonellus</i> Zell. (Crambidae): Airplane-----	Puerto Rico-----	1	-----	P.R.
<i>Creationotus gangis</i> (L.) (Arctiidae): Airplane-----	Unknown-----	1	-----	Hawaii.
<i>Cryphula apaticus</i> (Dist.) (Lygaeidae): Orchid (plant) -----	Honduras-----	-----	1	Fla.
<i>Cryphula fasciata</i> (Dist.) (Lygaeidae): <i>Isochilus major</i> (orchid) -----	Canal Zone-----	-----	1	Hawaii.
<i>Cryptoblabes gnidiella</i> (Mill.) (Phycitidae): <i>Citrus limon</i> (lemon) -----	Portugal-----	1	-----	Mass.
<i>C. sinensis</i> (sweet orange) -----	Italy, Portugal-----	2	2	Fla., N.Y.
<i>Prunus persica</i> (peach) -----	Italy-----	1	-----	N.Y.
<i>Punica granatum</i> (pomegranate) -----	Greece, Israel, Italy, Lebanon, Portugal, Spain-----	30	-----	N.Y.
<i>Cryptococephalus zerampelinus</i> Suffr. (Chrysomelidae): <i>Gardenia augusta</i> (flower) -----	Cuba-----	1	-----	N.Y.
<i>Cryptophlebia illepida</i> (Bttr.) (Olethreutidae): <i>Coffea arabica</i> (Arabian coffee) -----	Hawaii-----	1	-----	Hawaii.
<i>Macadamia ternifolia</i> -----	do-----	1	-----	Hawaii.
<i>Cryptophlebia leucoptera</i> (Meyr.) (Olethreutidae): <i>Capsicum frutescens grossum</i> (bell pepper) -----	Republic of the Congo-----	1	-----	Md.
<i>Citrus sinensis</i> (sweet orange) -----	Union of South Africa-----	1	-----	Fla.
<i>Cryptotermes brevis</i> (Wlk.) (Kalotermitidae): Clothing -----	Hawaii-----	1	-----	Hawaii.
<i>Triticum aestivum</i> (wheat) -----	Brazil-----	1	-----	Fla.
<i>Ctenochira hectica</i> (Boh.) (Chrysomelidae): <i>Chamaedorea elegans</i> (palm) -----	Mexico-----	1	-----	Tex.
<i>Ctenochira hieroglyphica</i> (Boh.) (Chrysomelidae): <i>Chamaedorea oblongata</i> (palm) leaf -----	do-----	1	-----	Tex.
<i>Ctenochira plicata</i> (Boh.) (Chrysomelidae): <i>Chamaedorea oblongata</i> (palm) leaf -----	do-----	1	-----	Tex.
<i>Curculio elephas</i> (Gyll.) (Curculionidae): <i>Castanea sativa</i> (European chestnut) -----	France, Italy-----	7	1	N.Y., P.R.
<i>Castanea</i> sp. (chestnut) -----	Italy, Portugal, Spain-----	12	1	Calif., N.Y., Pa.
<i>Quercus cerris</i> (European Turkey oak) -----	Italy-----	-----	1	N.J.
<i>Curculio nucum</i> L. (Curculionidae): <i>Corylus avellana</i> (filbert) -----	Italy, Poland-----	1	1	N.J., N.Y.
<i>Corylus</i> sp. (hazelnut) -----	Italy-----	2	-----	N.Y.
<i>Cylas formicarius</i> (F.) (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato) -----	Hong Kong, Philippines-----	6	1	Hawaii.
<i>Cylas formicarius</i> (F.) var. (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato) -----	Dominican Republic, Federation of Malaya, Hong Kong, Japan, Philippines, Singapore, Thailand-----	12	2	Hawaii, N.Y., Oreg.
<i>Ipomoea</i> sp. -----	Thailand-----	1	-----	Hawaii.

## LIST OF INTERCEPTED PLANT PESTS, 1960

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Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued  
 [An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-	Nonentry	Propaga-	
<i>Cylas formicarius elegantulus</i> (Summers) (Curculionidae):					
Baggage (with <i>Ananas comosus</i> )	Hawaii	1			Haw <sup>a</sup> ii.
<i>Ipomoea batatas</i> (sweetpotato)	Antigua, Cuba, Cura- cao, Dominican Re- public, Guatemala, Haiti, Mexico.	14	12	---	Ala., Fla., Ga., Mass., N.Y., N.C., Pa., St. Croix, Tex.
<i>Ipomoea</i> sp.	Cuba		1	---	Tex.
<i>Cylas formicarius formicarius</i> (F.) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato)	China, Hong Kong	3	---	---	Hawaii.
<i>Dacus cucurbitae</i> (Coq.) (Tephritidae):					
<i>Lycopersicon esculentum</i> (tomato)	Hawaii		1	---	Calif.*
<i>Dacus dorsalis</i> Hend. (Tephritidae):					
<i>Carica papaya</i> (papaya)	do	1	---	---	Hawaii.
<i>Mangifera indica</i> (mango)	do	3	2	---	Calif.* Hawaii.
<i>Persea americana</i> (avocado)	do	2	---	---	Calif.*
<i>Psidium guajava</i> (guava)	Guam	1	---	---	Hawaii.
<i>Terminalia catappa</i> (tropical almond)	Hawaii	1	---	---	Hawaii.
<i>Dacus dorsalis</i> Hend. (?) (Tephritidae):					
<i>Coffea arabica</i> (Arabian coffee)	do	2	---	---	Hawaii.
<i>Mangifera indica</i> (mango)	do	2	---	---	Hawaii.
<i>Passiflora</i> sp. (passionflower) fruit	do	1	---	---	Calif.*
<i>Dacus oleae</i> (Gmel.) (Tephritidae):					
<i>Olea europaea</i> (olive)	Greece, Israel, Italy, Lebanon, United Arab Republic	52	---	---	Mass., Mich., N.Y.
<i>Deloyala guttata bohemani</i> Spaeth (Chrysomeli- dae):					
<i>Chamaedorea oblongata</i> (palm) leaf	Mexico	1	---	---	Tex.
Orchid	do		1	---	Tex.
<i>Delphacodes teapae</i> (Fowler) (Delphacidae):					
<i>Echinodorus</i> sp.	Peru		1	---	Fla.
<i>Dendrocoris variegatus</i> Nelson (Pentatomidae):					
Bromeliad	Mexico		1	---	Ariz.
Orchid	do		1	---	Tex.
<i>Dercynus micronymus</i> Champ. (Curculionidae):					
<i>Brownnea grandiflora</i> (seed)	Trinidad		1	---	Fla.
<i>Deuterocampta atomaculata</i> Stal (Chrysomeli- dae):					
<i>Chamaedorea elegans</i> (palm) leaf	Mexico	1	---	---	Tex.
<i>Diabrotica lepida</i> (Say) (Chrysomelidae):					
Orchid	do		1	---	Tex.
<i>Diabrotica porracea</i> Har. (Chrysomelidae):					
Bromeliad	do		1	---	Ariz.
<i>Diclus auratus</i> F. (Chrysomelidae):					
<i>Agave victoriae-reginae</i>	do		1	---	Tex.
<i>Dialeurodes chittendeni</i> Laing (Aleyrodidae):					
<i>Rhododendron</i> sp.	Netherlands		31	---	N.J., N.Y.
<i>Dialeurodes citrifolii</i> (Morg.) (Aleyrodidae):					
<i>Citrus sinensis</i> (sweet orange) leaf	Cuba	1	---	---	Fla.
<i>Citrus</i> sp. (leaf)	El Salvador, Mexico	2	---	---	Calif., * Tex.
<i>Dialeurodes kirkaldyi</i> (Kot.) (Aleyrodidae):					
<i>Gardenia augusta</i> (leaf)	Lebanon		1	---	N.Y.
<i>Jasminum sambac</i> (Arabian jasmine)	Hawaii		1	---	Hawaii.
<i>Jasminum</i> sp.	Hawaii, Hong Kong		2	---	Hawaii.
<i>Dialeurodes vulgaris</i> Singh (?) (Aleyrodidae):					
<i>Jasminum</i> sp. (jasmine)	India		1	---	Wash.
<i>Diaphania ityralis</i> (Wlk.) (Pyraustidae):					
Airplane	Japan(?)		1	---	Hawaii.
<i>Diaprepes abbreviatus</i> (L.) var. (Curculionidae):					
<i>Cajanus cajan</i> (pigeonpea)	Puerto Rico	1	---	---	P.R.
<i>Diaprepes famelicus</i> (Ol.) var. (Curculionidae):					
<i>Amaryllis</i> sp. (flower)	Bermuda	1	---	---	N.Y.
<i>Dictyophorus spumans</i> (Thunb.) (Acrididae):					
None (live entomological specimen)	Union of South Africa	1	---	---	N.Y.
<i>Dicyphus annulatus</i> (Wolff) (Miridae):					
<i>Lactuca sativa</i> (lettuce)	Italy		1	---	Tex.

Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued  
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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Dicyphus stachydis</i> Reut. (Miridae):					
<i>Rumex</i> sp. (dock)	Ireland			1	N.Y.
<i>Dinoderus bifoveolatus</i> (Woll.) (Bostrichidae):					
<i>Lonchocarpus</i> sp. (?)	Peru	1			N.Y.
<i>Diocalandra taitensis</i> (Guer.) (Curculionidae):					
Airplane	Unknown		1		Hawaii.
<i>Cocos nucifera</i> (coconut)	Hawaii	5			Hawaii.
<i>Dynatopechus calandrodes</i> Zimm. (Curculionidae):					
<i>Phaseolus lunatus macrocarpus</i> (lima bean)	do		1		Hawaii.
<i>Dyscinetus laevipunctatus</i> Bates (Scarabaeidae):					
Automobile	Mexico		1		Tex.
<i>Dyspessa ulula</i> (Bkh.) (Cossidae):					
<i>Allium sativum</i> (garlic)	Italy, Spain	12			La., N.Y., P.R.
<i>Ectomyelois ceratoniae</i> (Zell.) (Phycitidae):					
<i>Cassia</i> sp. (senna)	Hawaii	1			Hawaii.
<i>Ceratonia siliqua</i> (carob) bean	Italy, Lebanon	3			N.Y.
<i>Cydonia oblonga</i> (quince)	Greece	1			N.Y.
<i>Eriobotrya japonica</i> (loquat)	Italy	1			N.Y.
<i>Juglans regia</i> (English walnut)	Greece	1			N.Y.
<i>Juglans</i> sp. (walnut)	Italy, Portugal	2			N.Y.
<i>Punica granatum</i> (pomegranate)	Greece, Israel, Italy	7			Mass., N.Y.
<i>Pyrus communis</i> (pear)	Italy	1			N.Y.
<i>Samanea saman</i> (raintree saman) pod	Hawaii	1			Hawaii.
<i>Tamarindus indica</i> (tamarind) pod	Jamaica, Japan (?), Philippines	2		1	Fla., Wash.
<i>Ectomyelois muriscis</i> (Dyar) (Phycitidae):					
<i>Ceratonia siliqua</i> (carob) pod	Jamaica	1			Tex.
<i>Enterolobium cyclocarpum</i>	Mexico			1	Tex.
<i>Edessa rufomarginata</i> (DeGeer) (Pentatomidae):					
Cargo	British Honduras	1			Fla.
<i>Empoasca flaveolens</i> (F.) (Cicadellidae):					
Plants—unidentified	Netherlands			1	N.J.
<i>Epeorus calidella</i> (Guen.) (Phycitidae):					
<i>Ceratonia siliqua</i> (carob)	Italy	1			N.Y.
<i>Epichorista ionephela</i> (Meyr.) (Tortricidae):					
<i>Ornithogalum thyrsoides</i> (Cape chinkericee)	Union of South Africa	3			N.Y.
<i>Epilachna borealis</i> (F.) var. (Coccinellidae):					
Orchid	Mexico			1	Tex.
<i>Epilachna mexicana</i> (Guer.) (Coccinellidae):					
<i>Pinus</i> sp. (pine) cone	do	1			Tex.
<i>Epinotia aporema</i> (Wlsm.) (Olethreutidae):					
<i>Lycopersicon esculentum</i> (tomato)	do	1			Tex.
<i>Phaseolus vulgaris</i> var. (string bean)	do	1	1		Tex.
<i>Vigna sinensis</i> (cowpea)	Argentina	1			Fla.
<i>Eriophyes canestrinii</i> (Nal.) (Eriophyidae):					
<i>Buxus sempervirens</i> (common boxwood)	Netherlands			3	N.J.
<i>Ernobius abietis</i> F. (Anobiidae):					
<i>Picea</i> sp. (?) cones	Germany	1			Md.
<i>Eutheola rugiceps</i> (LeC.) (Scarabaeidae):					
Airplane	Unknown		1		Hawaii.
<i>Euleia heraclei</i> (F.) (?) (Tephritidae):					
<i>Apium graveolens</i> (celery)	England		1		N.Y.
<i>Euricania splendida</i> (Fab.) (Ricaniidae):					
Airplane	Unknown		1		Hawaii.
<i>Eusceptes postfasciatus</i> (Fairm.) (Curculionidae):					
Baggage (with <i>Ananas comosus</i> )	Hawaii	1			Hawaii.
<i>Ipomoea batatas</i> (sweetpotato)	Barbados, Brazil, Japan, Puerto Rico, Trinidad	4	8		Ala., Hawaii, N.Y., Pa.
Mail (peanuts and cut flowers)	Hawaii	3			Hawaii.
<i>Erees comyntas</i> (Godt.) (Lycaenidae):					
<i>Phaseolus vulgaris</i> var. (string bean)	Mexico	2			Tex.
<i>Evergestis forficalis</i> (L.) (Pyraustidae):					
<i>Brassica oleracea</i>	Belgium		1		Tex.
<i>B. oleracea botrytis</i> (cauliflower)	France, Norway	2			N.Y.
<i>B. oleracea capitata</i> (cabbage)	Belgium, France	2			N.Y., Tex.
<i>Evetria tessulatana</i> Stdgr. (?) (Olethreutidae):					
<i>Cupressus</i> sp. (cypress) cones	France	1			N.Y.
<i>Exptochiromera formosa</i> (Dist.) (Lygaeidae):					
Orchid	Mexico		2		Tex.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Exptochiromera oblonga</i> (Stal) (Lygaeidae): <i>Gossypium</i> sp. (cottonseed)	Mexico.....	1	—	—	Ariz.
<i>Fieberocapsus flaveolus</i> (Reut.) (?) (Miridae): <i>Calluna vulgaris</i> (heather)	Scotland.....	1	—	—	N.Y.
<i>Fiorinia theae</i> Green (Coccidae): <i>Camellia grantianiana</i>	Hong Kong.....	—	—	1	D.C.
<i>Forficula aetolica</i> Brunn. (Forficulidae): <i>Punica granatum</i> (pomegranate)	Greece.....	1	—	—	N.Y.
<i>Frankliniella formosae</i> Mlt. (Thripidae): <i>Arctotis stoechadifolia</i>	Japan.....	1	—	—	Hawaii.
<i>Chrysanthemum</i> sp.	do.....	5	2	—	Hawaii.
<i>Citrus</i> sp. (peel)	Hong Kong.....	1	—	—	Hawaii.
<i>Dianthus caryophyllus</i> (carnation)	Japan.....	20	3	—	Hawaii.
<i>Dianthus</i> sp.	do.....	—	3	—	Hawaii.
Flowers (lei)	Fiji Islands.....	1	—	—	Hawaii.
<i>Gardenia augusta</i>	West Pacific.....	—	1	—	Hawaii.
<i>Gladiolus</i> hybrid	Japan.....	—	1	—	Hawaii.
<i>Hyacinthus orientalis</i> (common hyacinth)	do.....	1	—	—	Hawaii.
<i>Lilium longiflorum</i> (Easter lily)	do.....	—	1	—	Hawaii.
<i>L. medeoloides</i> (wheel lily) bulb	do.....	—	—	1	D.C.
<i>Lilium</i> sp.	do.....	1	—	—	Hawaii.
<i>Rosa</i> hybrid	do.....	2	—	—	Hawaii.
<i>Frankliniella intonsa</i> (Tryb.) (Thripidae):	France.....	1	—	—	N.Y.
<i>Callistephus chinensis</i> (China aster)	Germany.....	1	—	—	N.Y.
<i>Calluna vulgaris</i> (heather) flowers	England, Germany, unknown	3	1	—	N.Y., Pa.
<i>Chrysanthemum</i> sp. (flowers)	Germany, Netherlands Norway	3	—	—	Mass., N.Y.
<i>Dianthus caryophyllus</i> (carnation) flowers	Denmark, England, France, Germany, Netherlands, Swe- den, unknown	8	5	—	Mass., N.Y.
Flowers—mixed	Germany.....	1	—	—	N.Y.
<i>Gladiolus</i> hybrid (flowers)	Unknown.....	—	1	—	N.Y.
<i>Lactuca sativa</i> (lettuce)	Netherlands.....	—	1	—	N.Y.
<i>Lathyrus odoratus</i> (sweetpea) flowers	France.....	1	—	—	N.Y.
<i>Malvaceae</i> (flowers)	Netherlands.....	—	—	3	N.J.
Plants—unidentified	Austria, England, Ger- many, Poland, Swe- den, unknown	9	1	1	Mass., N.Y.
<i>Rosa</i> hybrid (flowers)	Belgium, France.....	—	—	—	—
<i>Viola</i> sp. (violet) flowers	England.....	2	—	—	N.Y.
<i>Zinnia</i> sp. (flowers)	—	1	—	—	Pa.
<i>Frankliniella schultzei</i> (Tryb.) (Thripidae):	Union of South Africa.....	2	—	—	N.Y.
<i>Ornithogalum thyrsoides</i> (Cape chinkerchee)	Italy.....	1	—	—	P.R.
<i>Frankliniella tenuicornis</i> (Uzel) (Thripidae):	Japan.....	1	—	—	Hawaii.
<i>Allium sativum</i> (garlic)	France.....	—	1	—	Mass.
<i>Oryza sativa</i> (rice) straw rope	Mexico.....	—	—	—	N.Y.
<i>Frankliniella tritici</i> (Pitch) (Thripidae):	England.....	—	—	—	Pa.
Flowers—mixed	—	—	—	—	—
<i>Frankliniella williamsi</i> Hood (Thripidae):	Union of South Africa.....	—	—	—	N.Y.
<i>Eryngium</i> sp.	Italy.....	—	—	—	P.R.
<i>Fundella pellucens</i> (Zell.) (Phycitidae):	Mexico.....	1	—	—	N.Y.
<i>Cajanus cajan</i> (pigeonpea)	Barbados, Haiti.....	2	—	—	N.Y.
<i>Gelechia ericetella</i> (Hbn.) (Gelechiidae):	Scotland.....	2	—	—	N.Y.
<i>Calluna vulgaris</i> (heather)	Chile.....	2	—	—	N.Y.
<i>Geniocremnis chilensis</i> (Boh.) (Curculionidae):	Chile.....	2	—	—	N.Y.
<i>Prunus domestica</i> (plum)	do.....	1	—	—	N.Y.
<i>Prunus persica neclarina</i> (nectarine)	Guam.....	1	—	—	Hawaii.
<i>Geotomus pygmaeus</i> (Dall.) (Cydnidae):	Midway.....	—	1	—	Hawaii.
<i>Bixa orellana</i> (annato tree) seeds	Mexico.....	5	—	—	Ariz., Calif.
<i>Gnaphalocrocius medicinalis</i> (Guen.) (Pyraustidae):	France, Israel, United Arab Republic.	3	—	—	N.Y., Pa., Tex.
<i>Airplane</i>	Israel.....	1	—	—	N.Y.
<i>Gnorimoschema gudmanella</i> (Wlsm.) (Gelechiidae):	—	—	—	—	—
<i>Capsicum frutescens</i> (pepper)	—	—	—	—	—
<i>Gnorimoschema ocellatella</i> (Boyd) (Gelechiidae):	—	—	—	—	—
<i>Beta vulgaris</i> (beet)	—	—	—	—	—
Stores	—	—	—	—	—

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		Consump-tion	Nonentom-y	Propaga-tion	
<i>Grapholita packardi</i> Zell. (Olethreutidae):					
<i>Cydonia oblonga</i> (quince)	Mexico	2			Tex.
<i>Pyrus communis</i> (pear)	do	1			Tex.
<i>Gymnandrosoma aurantiavanum</i> Costa Lima (Ole-threutidae):					
<i>Citrus sinensis</i> (sweet orange)	Curacao		1		N.Y.
<i>Gynaikothrips ficorum</i> (Marchal) (Phlaeothripidae):					
<i>Ficus religiosa</i> (botree fig)	Mexico			1	Ariz.
Soil on automobile fender	Cuba	1			Fla.
<i>Haplothrips aculeatus</i> (F.) (Phlaeothripidae):					
Plants—unidentified	Netherlands			1	N.J.
<i>Salix</i> sp. (willow) dwarf tree	Japan			1	Calif.*
<i>Haplothrips cotti</i> (Vuillet) (Phlaeothripidae):					
<i>Dianthus caryophyllus</i> (carnation)	Azores	1			Mass.
<i>Haplothrips dianthinus</i> Pr. (Phlaeothripidae):					
<i>Zinnia</i> sp. (flowers)	Unknown		1		N.Y.
<i>Haplothrips gowdeyi</i> (Frankl.) (Phlaeothripidae):					
<i>Agapanthus africanus</i> (African agapanthus)	Japan	1			Hawaii.
<i>Begonia</i> sp. (flowers)	Bermuda			1	N.Y.
<i>Canavalia</i> sp. (flowers)	Hawaii	1			Calif.*
<i>Chrysanthemum</i> sp.	Japan	2			Hawaii.
<i>Coffea</i> sp. (cuttings)	Guatemala	1			Fla.
<i>Dianthus caryophyllus</i> (carnation)	Japan	2			Hawaii.
Flowers—mixed	American Samoa, Bel-gium, Israel	3			Hawaii, N.Y.
<i>Nerium oleander</i> (oleander)	Bermuda	1			N.Y.
<i>Ornithogalum thyrsoides</i> (Cape chinkericee)	Union of South Africa	1			N.Y.
<i>Haplothrips nigricornis</i> Bagn. (Phlaeothripidae):					
<i>Ornithogalum thyrsoides</i> (Cape chinkericee) flowers	do	1			N.Y.
<i>Haplothrips tritici</i> (Kurdj.) (Phlaeothripidae):					
<i>Triticum aestivum</i> (wheat) spikes	Poland	1			N.Y.
<i>Heilipus lauri</i> Boh. (Curculionidae):					
<i>Persea americana</i> (avocado) seed	Costa Rica		1		Calif.*
<i>Helicella caperata</i> (Montagu) (Helicellidae):					
<i>Carthamus tinctorius</i> (safflower) seed	Portugal			1	D.C.
Flowers—mixed	France	1			N.Y.
Military cargo	France, Morocco	5			Del., La., Va.
<i>Rubus</i> sp. (blackberry)	Ireland			1	N.Y.
<i>Helicella cespitum</i> (Draparnaud) (Helicellidae):					
Military cargo	Libya	1			S.C.
<i>Helicella conspurcata</i> (Draparnaud) (Helicel-lidae):					
<i>Brassica oleracea capitata</i> (cabbage)	Italy		1		N.Y.
<i>Helicella cretica</i> (Fer.) (Helicellidae):					
Military cargo	Greece	1			La.
<i>Helicella derbentina</i> (Andrezjowski) (Helicel-lidae):					
Military cargo	Turkey	3			N.Y., S.C.
<i>Helicella itala</i> (L.) (Helicellidae):					
Baggage	Italy	1			N.Y.
<i>Petroselinum crispum</i> (parsley)	do	1			N.Y.
<i>Helicella lornacensis</i> Kobelt (?) (Helicellidae):					
Military cargo	Greece	1			N.Y.
<i>Helicella maritima</i> (Draparnaud) (Helicellidae):					
Military cargo	France, Italy, Morocco	5			La., N.Y., S.C., Va.
Soil with <i>Chrysanthemum</i> sp. and <i>Dianthus</i> sp. plants	Greece			1	Mass.
<i>Helicella neglecta</i> (Draparnaud) (Helicellidae):					
Automobiles	France	1			La.
Cargo—general	do	1			La.
Military cargo	do	1			La.
<i>Helicella profuga</i> (Schmidt) (Helicellidae):					
Military cargo	Greece	1			La.
<i>Helicella pyramidata</i> (Draparnaud) (Helicellidae):					
<i>Lathyrus</i> sp. (seed)	Italy	1			N.Y.
Seed—unidentified	do			1	Mich.
<i>Helicella striata</i> (Müller) (?) (Helicellidae):					
<i>Capsicum frutescens grossum</i> (bell pepper)	Spain	1			N.Y.
Soil with <i>Commelinia</i> sp. and <i>Lonicera</i> sp.	Greece			1	N.Y.

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<i>Helicella variabilis</i> (Draparnaud) (Helicellidae):					
Automobiles.....	France.....	1			Tex.
<i>Brassica oleracea capitata</i> (cabbage).....	Portugal.....		1		Fla.
Military cargo.....	France, Libya, Turkey.....	4			N.Y., S.C., Va.
<i>Lathyrus</i> sp. (seed).....	Italy.....	1			N.Y.
<i>Helicella virgata</i> DaCosta (Helicellidae):	Spain.....	1			N.Y.
Military cargo.....	Mexico.....	1			Tex.
<i>Helicina zephyrina</i> Duclous (Helicinidae):	Italy.....	1			N.Y.
<i>Chamaedorea elegans</i> (palm).....	do.....		1		N.Y.
<i>Helix aperta</i> Born (Helicidae):	do.....		1		N.Y.
Baggage.....	Mexico.....	1			Tex.
<i>Brassica oleracea botrytis</i> (cauliflower).....	Italy.....	2			N.Y.
<i>B. oleracea capitata</i> (cabbage).....	Azores.....		1		N.Y.
<i>Helix aspersa</i> (Müller) (Helicidae):	Mexico.....			1	N.Y.
Automobile.....	Azores.....			1	N.Y.
Baggage.....	Italy.....			1	N.Y.
<i>Brassica oleracea capitata</i> (cabbage).....	Italy.....			1	N.Y.
Cactus.....	Do.....			1	N.Y.
<i>Citrus sinensis</i> (sweet orange).....	Azores.....			1	N.Y.
<i>Dianthus caryophyllus</i> (carnation).....	Italy.....		1		N.Y.
Herbs.....	do.....		1		N.Y.
<i>Lactuca sativa</i> (lettuce).....	Spain.....		2		N.Y.
Military cargo.....	France.....	4			La., Va.
None (brought as food).....	Italy.....	1			N.Y.
<i>Rosa</i> hybrid.....	Colombia.....		1		Fla.
<i>Sedum</i> sp.....	England.....		1		N.Y.
<i>Helix figulinina</i> Parreyss (?) (Helicidae):	Israel.....			1	N.Y.
<i>Brassica oleracea capitata</i> (cabbage).....					
<i>Helix pomatia</i> L. (Helicidae):	France.....			1	N.Y.
None (brought as food).....	Germany.....				N.Y.
Soil with <i>Viola</i> sp. (violet).....					
<i>Hellula undalis</i> (F.) (Pyraustidae):	United Arab Republic.....			2	Md., Pa.
<i>Brassica rapa</i> (turnip).....	Italy.....				N.Y.
<i>Hemimene juliana</i> (Curt.) (Olethreutidae):				3	
<i>Castanea</i> sp. (chestnut).....	India, Vietnam.....				
<i>Heterobosrychus aequatus</i> (Waterh.) (Bostrichidae):				2	Calif.*
Wood (crate).....					
<i>Heterobosrychus brunneus</i> (Murray) (Bostrichidae):	Mexico.....				
<i>Zanthoxylum senegalense</i> .....	Nigeria.....			1	N.Y.
<i>Heterotermes convexitnotatus</i> (Snyder) (Rhinotermitidae):	Mexico.....				
Bromeliad.....				2	Tex.
<i>Zamia</i> sp. (cycad).....	do.....			1	Tex.
<i>Hileithia decostalis</i> (Guen.) (Pyraustidae):					
<i>Monstera deliciosa</i> .....	do.....			1	Tex.
<i>Holcostethus vernalis</i> (Wolff) (Pentatomidae):					
Airplane.....	France.....			1	N.J.
<i>Homoeagmia mexicana</i> (Burm.) (Polyphagidae):					
Orchid.....	Mexico.....			1	Tex.
<i>Hygromia hispida</i> (L.) (Helicillidae):					
Fern.....	Denmark.....			1	N.Y.
<i>Hyllurgops palliatus</i> (Gyll.) (Scolytidae):					
<i>Pinus</i> sp. (pine) bark.....	Japan.....			1	Fla.
<i>Hypera nigrostris</i> (F.) (Curculionidae):					
<i>Prunus persica</i> (peach).....	Unknown.....			1	N.Y.
<i>Hypera postica</i> (Gyll.) (Curculionidae):					
<i>Aucuba</i> sp.....	Netherlands.....			1	N.J.
<i>Hypoborus ficus</i> Er. (Scolytidae):					
<i>Ficus carica</i> (fig).....	Israel.....			1	N.Y.
<i>Ficus</i> sp.....	Yugoslavia.....			1	N.Y.
<i>Iridomyrmex iniquus</i> Mayr (Formicidae):					
Bromeliad.....	Mexico.....			4	Ariz.
<i>Iridomyrmex pilifer</i> Mayr (Formicidae):					
Orchid.....	Colombia.....			1	N.Y.
<i>Iridothrips iridis</i> (Wats.) (Thripidae):					
<i>Iris</i> sp.....	England.....			1	N.J.
<i>Kalotermes flavicollis</i> (F.) (Kalotermittidae):					
<i>Cydonia oblonga</i> (quince).....	Greece.....			1	Mass.
<i>Lamellaria gracilis</i> (Hutton) (?) (Achatinidae):					
Soil with ferns and palms.....	Ecuador.....			1	Fla.

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<i>Lamellazis micra</i> (Orbigny) (Achatinidae):					
Herbs	Barbados	1			N.Y.
Orchid	British Honduras		1		Tex.
Soil	Dominican Republic	1			Fla.
Soil with palm plants	Bermuda		1		Fla.
Soil with unidentified plants	Cuba			1	Fla.
<i>Lampides boeticus</i> (L.) (Lycaenidae):					
<i>Canavalia</i> sp. (mauna loa) lei	Hawaii	21			Calif.,* Hawaii.
Legume	do	1			Calif.,* Wash.
<i>Pisum sativum</i> (pea)	Japan		3		Calif.,* Wash.
<i>Sesbania grandiflora</i>	Hawaii	1			Hawaii.
<i>Sesbania</i> sp.	do	1			Hawaii.
<i>Strongylodon lucidus</i>	do	1			Hawaii.
<i>Lamproniolochaea aurea</i> (Macq.) (Lonchaeidae):					
Airplane	do		1		Hawaii.
<i>Laspeyresia dorsana</i> (F.) (?) (Olethreutidae):					
<i>Phaseolus vulgaris</i> (bean)	Italy	1			N.Y.
<i>Laspeyresia fabivora</i> Meyr. (Olethreutidae):					
<i>Phaseolus vulgaris</i> var. (string bean)	Ecuador		1		Fla.
<i>Laspeyresia splendana</i> (Hbn.) (Olethreutidae):					
Baggage (with <i>Lilium</i> sp. bulbs)	Italy	1			N.Y.
<i>Castanea sativa</i> (European chestnut)	do	1			N.Y.
<i>Castanea</i> sp. (chestnut)	Canary Islands, France, Germany, Israel, Italy, Portugal, Spain, Yugoslavia	62	1		Ala., Mass., N.Y.
<i>Quercus</i> sp. (oak) acorn	France	1			La.
<i>Laspeyresia strobiella</i> (L.) (Olethreutidae):					
<i>Picea abies</i> (Norway spruce) cone	Switzerland	1			N.Y.
<i>Picea</i> sp. (spruce) cone	England	1			N.Y.
<i>Lema erichsonii</i> Suffr. (Chrysomelidae):					
<i>Dahlia</i> hybrid (flower)	Germany	1			N.Y.
<i>Lema melanopa</i> L. (Chrysomelidae):					
<i>Convallaria majalis</i> (lily-of-the-valley)	Denmark			1	N.Y.
<i>Rosa</i> hybrid	England			1	N.J.
<i>Lepidosaphes phitococcus</i> (Ckll.) (Coccidae):				1	Tex.
Cactus	Mexico				
<i>Lepidosaphes pini</i> (Mask.) (Coccidae):					
<i>Pinus</i> sp. (pine) needles	Japan	2			Calif.*
<i>Lepidosaphes tokionis</i> (Kuw.) (Coccidae):					
<i>Codiaeum variegatum</i> (variegated codiaeum)	Hawaii	1	1	1	Calif.*
<i>Lepidosaphes tuberculata</i> Mal. (Coccidae):					
<i>Cymbidium suave</i> (orchid)	Australia			1	Calif.*
<i>Cymbidium</i> vars.	Japan, New Zealand			4	Calif.*
<i>Leptoglossus chilensis</i> (Spin.) (Coreidae):					
<i>Vitis</i> sp. (grape)	Chile	38			N.Y.
<i>Leucania toreya</i> (Dup.) (Noctuidae):					
Packing with <i>Lilium</i> sp. bulbs	Japan			1	Oreg.
<i>Leucinodes orbonalis</i> Guen. (Pyraustidae):					
<i>Solanum melongena</i> (eggplant)	Indonesia		1		Mass.
<i>Solanum</i> sp.	Liberia	1			N.Y.
<i>Leucoptera coffeella</i> G.-M. (Lyonetiidae):					
<i>Coffea</i> sp. (coffee) leaf	Brazil, Costa Rica	3			Fla.
<i>Ligyracoris aurivilliana</i> (Dist.) (Lygaeidae):					
<i>Cucumis melo cantalupensis</i> (cantaloupe)	Mexico	1			Tex.
<i>Limothrips denticornis</i> (Hal.) (Thripidae):					
<i>Dianthus</i> sp.	Hungary	1			N.Y.
Soil with unidentified grass	Germany		1		N.Y.
Soil with <i>Petroselinum crispum</i> (parsley)	Unknown		1		N.Y.
Soil with <i>Picea</i> sp. (spruce)	Germany	1			Mass.
<i>Listroderes subinctus</i> (Boh.) (Curculionidae):					
<i>Prunus domestica</i> (plum)	Chile	1			N.Y.
<i>Vitis</i> sp. (grape)	do	1			N.Y.
<i>Lobesia botrana</i> (Schiff.) (Olethreutidae):					
<i>Vitis</i> sp. (grape)	Italy, United Arab Republic	5			N.Y.
<i>Lycus africanus</i> Lesne (Lyctidae):					
Roots—unidentified	China	1			Mich.

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<i>Lyctus brunneus</i> (Steph.) (Lyctidae):					
Airplane	El Salvador, Jamaica	2			Fla.
Mail parcel	Hawaii	1			Hawaii.
Plywood—unidentified	Unknown	1			Mass.
<i>Lygeus albo-ornatus</i> Blanch. (Lygaeidae):					
<i>Allium cepa</i> (onion)	Chile	1			N.Y.
<i>Lygus lineolaris</i> (P. deB.) (Miridae):					
<i>Beta</i> sp.	Mexico	1			Ariz.
<i>Chrysanthemum</i> sp.	---do	2			Ariz.
<i>Lygus rugulipennis</i> Poppius (Miridae):					
<i>Lactuca sativa</i> (lettuce)	England		1		Mich.
Plants—unidentified	England, Netherlands			9	N.J., Wash.
<i>Macrostyctus japonensis</i> Scott (Cydnidae):					
Airplane	Japan		1		Wash.
<i>Mamestra brassicae</i> (L.) (Noctuidae):					
<i>Brassica chinensis</i> (Chinese cabbage)	---do		1		Ga.
<i>B. oleracea botrytis</i> (cauliflower)	Belgium, France, Ger-many, Italy		6		Ga., N.Y., Tex.
<i>B. oleracea capitata</i> (cabbage)	Italy		1		N.Y.
<i>Lactuca sativa</i> (lettuce)	France		1		N.Y.
<i>Maruca testulalis</i> (Geyer) (Pyraustidae):					
Baggage	Hong Kong			1	Hawaii.
<i>Cajanus cajan</i> (pigeonpea)	Puerto Rico	2			Ill., P.R.
<i>Canavalia microcarpa</i>	Hawaii	2			Hawaii.
<i>Canavalia</i> sp. (mauna loa) lei	---do	11			Calif.,* Hawaii.
Legume (flower)	---do		1		Calif.*
<i>Phaseolus lunatus macrocarpus</i> (lima bean)	Puerto Rico		1		Ill.
<i>P. vulgaris</i> (bean)	---do		2		Ill., P.R.
<i>P. vulgaris</i> var. (string bean)	---do				Ill., P.R.
<i>Sesbania grandiflora</i> (flowers)	Hawaii		3		Hawaii.
<i>Strongylodon lucidus</i>	---do		1		Hawaii.
<i>Strongylodon</i> sp.	---do		1		Hawaii.
<i>Megacerus alternatus</i> Bridw. (Bruchidae):					
<i>Ipomoea pes-caprae</i> (soilbind morningglory)	---do		1		Hawaii.
<i>Ipomoea</i> sp. (seed)	---do		1		Calif.*
<i>Megacyllene spinifera</i> (Newn.) (Cerambycidae):					
Log	Argentina	1			N.Y.
<i>Megasoma elephas</i> (Fab.) (Scarabaeidae):					
Airplane	Panama		1		Fla.
<i>Megastigmus limoni</i> (Grit.) (Torymidae):					
<i>Eremocitrus glauca</i> (desertlime) seed	Australia			1	D.C.
<i>Megastigmus strobilobius</i> Ratz. (Torymidae):					
<i>Picea abies</i> (Norway spruce) seed	Germany			1	N.J.
<i>Megastigmus tsugaphilus</i> Kamijo (Torymidae):					
<i>Tsuga sieboldii</i> (Siebold hemlock) seed	Japan			1	N.J.
<i>Melanoxanthus melanoccephalus</i> (F.) (Elateridae):					
<i>Vanda</i> hybrid (orchid) flower	Hawaii		1		Hawaii.
<i>Melatasius hemipterus</i> ( <i>hemipterus</i> ) (Curculionidae):					
<i>Cajanus cajan</i> (pigeonpea)	Puerto Rico		1		P.R.
<i>Melatasius hemipterus sericeus</i> (Ol.) (Curculionidae):					
<i>Ananas comosus</i> (pineapple)	Cuba	1			Fla.
<i>Musa paradisiaca sapientum</i> (banana)	Colombia, Ecuador, Panama	61			Fla., La., N.Y., Pa., S.C., Tex.
<i>Melanema ategua</i> (Druce) (Geometridae):					
Airplane	Central America (country?).		1		Fla.
<i>Metopoplax ditomoides</i> (Costa) (Lygaeidae):					
Compositae (head)	Morocco		1		N.J.
<i>Micotrochus pictirostris</i> (F.) (Curculionidae):					
<i>Juniperus</i> sp. (juniper)	England			1	N.Y.
<i>Micrapate labialis</i> Lessie (Bostrichidae):					
Wood—unidentified	Mexico		1		N.Y.
<i>Micrelus ericae</i> (Gyll.) (Curculionidae):					
<i>Calluna vulgaris</i> (heather)	Scotland	5			Mass.
<i>Mirperus ferrugineus</i> Stal (Coreidae):					
Airplane	Philippines		1		Hawaii.

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<i>Monacha carthusiana</i> (Müller) (Helicellidae):					
Military cargo.....	France.....	1			
<i>Rosa</i> hybrid.....	do.....	1			
<i>Monomorium destructor</i> (Jerd.) (Formicidae):					
<i>Cajanus cajan</i> (pigeonpea)	Jamaica.....	1			N.Y.
<i>Citrus sinensis</i> (sweet orange).....	Vietnam.....	1			Hawaii.
Food.....	Philippines.....	1			Hawaii.
Herbs.....	Dominican Republic.....	1			Fla.
Orchid.....	Jamaica.....			1	Fla.
Soil with automobile.....	Germany(?).....	1			Fla.
<i>Moodna bistrinella</i> Hamp. (?) (Phycitidae):					
<i>Zea mays</i> (corn).....	Mexico.....	1			Tex.
<i>Mordellistena catellana</i> Champ. (Mordellidae):					
<i>Catellina</i> sp. (orchid).....	Brazil.....			1	Fla.
<i>Morganella longispina</i> (Morg.) (Coccidae):					
<i>Citrus aurantium</i> (sour orange).....	Japan.....		1		Calif.*
<i>C. paradisi</i> (pomegranate).....	Tahiti.....	1			Calif.*
<i>C. reticulata</i> (Mandarin orange).....	Japan.....		3		Calif.*
<i>C. sinensis</i> (sweet orange).....	do.....		1		Calif.*
<i>Macadamia ternifolia</i> (Queenslandnut macadamia) nut.....	Hawaii.....	1			Calif.*
<i>Myelobia smerinthina</i> (Hbn.) (Galleriidae):					
Bamboo.....	Mexico.....	1			Tex.
<i>Myzus ascalonicus</i> Donc. (Aleyrodidae):					
<i>Chrysanthemum</i> sp.....	Netherlands.....			1	N.Y.
<i>Lactuca sativa</i> (lettuce).....	Unknown.....	3			N.Y.
<i>Nasutitermes corniger</i> (Motsch.) (Termitidae):					
Bark.....	Panama.....	1			Fla.
<i>Nasutitermes costalis</i> (Holmgr.) (Termitidae):					
Aquatic plants.....	Cuba.....			2	Fla., N.Y.
<i>Cabomba</i> sp.....	do.....			1	N.Y.
Mail.....	Puerto Rico.....	1			III.
<i>Naupactus xanthographus</i> (Germ.) (Curculionidae):					
<i>Vitis</i> sp. (grape).....	Chile.....	1			N.Y.
<i>Neodryocoetes caribaeus</i> Blkm. (Scolytidae):					
<i>Hymenaeus courbaril</i> (pod).....	Jamaica.....	1			Fla.
<i>Neodryocoetes hubbardi</i> Blkm. (Scolytidae):					
<i>Mucuna</i> sp., probably <i>urens</i> (pod).....	Cuba.....			1	Fla.
<i>Neoleucinodes elegantalis</i> (Guen.) (Pyraustidae):					
<i>Lycopersicon esculentum</i> (tomato).....	Mexico.....	5			Tex.
<i>Solanum</i> sp.....	Colombia.....	1			N.Y.
<i>Neolobophora inopinata</i> (Burr.) (Forficulidae):					
Orchid.....	Mexico.....			1	Calif.*
<i>Nephrotettix bipunctatus</i> (F.) (Cicadellidae):					
Airplane.....	Guam.....		1		Hawaii.
<i>Nezara antennata</i> Scott (Pentatomidae):					
<i>Brassica chinensis</i> (Chinese cabbage).....	Japan.....		1		Wash.
<i>Nipponoclerda biwakoensis</i> (Kuw.) (Coccidae):					
<i>Phragmites</i> sp. (reed).....	do.....	1			Calif.*
<i>Nomophilà noctuella</i> (D. & S.) (Pyraustidae):					
Airplane.....	Japan, Wake Island(?).....	5			Hawaii.
<i>Nyctius clevelandensis</i> Evans (Lygaeidae):					
Stores.....	Australia.....	1			Hawaii.
<i>Nyctius terrestris</i> Usinger (Lygaeidae):					
<i>Vanda joaquimiae</i> (orchid) flowers.....	Hawaii.....	1			Hawaii.
<i>Ogdoecosta biannularis</i> (Boh.) (Chrysomelidae):					
Bromeliad.....	Mexico.....			1	Tex.
<i>Ogdoecosta catenulata</i> (Boh.) (Chrysomelidae):					
<i>Chamaedorea oblongata</i> (palm).....	do.....	1			Tex.
<i>Oligonychus perditus</i> P. & B. (Tetranychidae):					
<i>Juniperus</i> sp.....	Japan.....			1	Hawaii.
<i>Ooopsisa nutator</i> (Fab.) (Cerambycidae):					
<i>Hibiscus</i> sp.....	Hawaii.....	1			Hawaii.
<i>Opeas pumila</i> (Pfeiffer) (Achatinidae):					
Orchid.....	British Honduras.....			1	Tex.
<i>Opeas pyrgula</i> Schmacker & Boettger (Achatinidae):					
<i>Iris</i> spp.....	Japan.....		1		Hawaii.
Soil with plants.....	Bermuda.....			1	N.Y.
<i>Ophraea maculicollis</i> Blake (Chrysomelidae):					
Orchid.....	Mexico.....			1	Calif.*

Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued  
 [An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Opogona purpurella</i> Sw. (Tineidae):					
<i>Zingiber officinale</i> (ginger).....	Hawaii.....	1	—	—	Hawaii.
<i>Opogona sacchari</i> (Bojer) (Tineidae):					
Cycad.....	Union of South Africa.....	—	—	1	N.J.
<i>Dahlia</i> hybrid.....	Azores.....	—	—	1	Mass.
<i>Musa paradisiaca sapientum</i> (banana).....	do.....	1	—	—	Mass.
<i>Saccharum officinarum</i> (sugarcane).....	Cape Verde Islands.....	1	—	—	N.Y.
Soil with <i>Allium sativum</i> (garlic) and <i>Colocasia esculenta</i> (dasheen).....	Azores.....	1	—	—	N.Y.
<i>Orchidophitus aterrimus</i> (Waterh.) (Curculionidae):					
<i>Epidendrum</i> sp. (orchid) flowers.....	Hawaii.....	1	—	—	Hawaii.
<i>Vanda joaquimiae</i> (orchid) flowers.....	do.....	5	—	—	Hawaii.
<i>Vanda</i> hybrid.....	do.....	1	—	—	Hawaii.
<i>Vanda</i> sp.....	do.....	9	—	—	Hawaii.
<i>Organothrips bianchii</i> Hood (Thripidae):					
<i>Colocasia</i> sp.....	American Samoa.....	—	—	1	Hawaii.
<i>Orthops cerninus</i> (H.-S.) (Miridae):					
<i>Chrysanthemum</i> sp. (flowers).....	England.....	—	1	—	N.Y.
<i>Orthotylus ericetorum</i> (Fall.) (Miridae):					
<i>Calluna vulgaris</i> (heather).....	Scotland.....	1	—	—	N.Y.
<i>Otala lactea</i> (Muller) (Helicidae):					
<i>Apium graveolens</i> (celery).....	Italy.....	—	1	—	N.Y.
<i>Brassica oleracea botrytis</i> (cauliflower).....	do.....	—	2	—	N.Y.
Debris.....	Morocco.....	—	1	—	Ohio.
Military cargo.....	do.....	—	1	—	S.C.
<i>Otala vermiculata</i> (Muller) (Helicidae):					
<i>Citrus limon</i> (lemon).....	do.....	—	1	—	N.Y.
<i>Lactuca sativa</i> (lettuce).....	Italy.....	—	1	—	N.Y.
Military cargo.....	Greece, Italy, Morocco.....	7	—	—	La., N.Y., S.C.
None (brought as food).....	Italy.....	—	1	—	N.Y.
<i>Otosema odorata</i> (L.) (Noctuidae):					
Airplane.....	Hawaii.....	—	1	—	Hawaii.
<i>Oxya velox</i> (F.) (Acrididae):					
Airplane.....	Formosa(?).....	—	1	—	Hawaii.
<i>Ozyacarus hyalinipennis</i> (Costa) (Lygaeidae):					
<i>Zinnia</i> sp. (flowers).....	Unknown.....	—	1	—	N.Y.
<i>Ozyacarus rufiventris</i> (Germ.) (Lygaeidae):					
Cargo (with <i>Prunus persica</i> ).....	Union of South Africa.....	1	—	—	N.Y.
<i>Ozydema fusiforme</i> Woll. (Curculionidae):					
<i>Cordyline terminalis</i> (ti).....	Hawaii.....	—	1	—	Hawaii.
Mail parcel.....	do.....	—	2	—	Hawaii.
Orchid (flowers).....	do.....	—	1	—	Hawaii.
<i>Pachybrachius nigriceps</i> (Dallas) (Lygaeidae):					
Airplane.....	Fiji Islands, Wake Island(?).....	—	2	—	Hawaii.
<i>Pagiocerus fiorii</i> (Egg.) (Scolytidae):					
<i>Zea mays</i> (corn).....	Ecuador, Peru.....	4	—	—	Fla., N.Y.
<i>Palaeopinus costicollis</i> Mshl. (Curculionidae):					
<i>Dioscorea alata</i> (winged yam).....	Jamaica.....	1	—	—	Pa.
<i>Dioscorea</i> sp.....	do.....	4	—	—	Fla., N.Y.
<i>Palpita unionalis</i> (Hbn.) (Pyraustidae):					
<i>Jasminum</i> sp. (flowers).....	France.....	1	—	—	N.Y.
<i>Panaeus rugiceps</i> Horvath (Pentatomidae):					
<i>Epidendrum</i> sp. (orchid).....	Guatemala.....	—	—	1	N.J.
<i>Parisoroschoenus flavolimbatus</i> Champ. (Curculionidae):					
<i>Chamaedorea oblongata</i> (palm).....	Mexico.....	5	—	—	Tex.
<i>Parlatoria cinerea</i> Hadden (Coccidae):					
<i>Citrus aurantifolia</i> (lime).....	Brazil.....	—	1	—	Calif.*
<i>C. limon</i> (lemon).....	do.....	—	2	—	Calif.*
<i>C. sinensis</i> (sweet orange).....	Brazil, unknown.....	1	13	—	Calif.*
<i>Parlatoria crotonis</i> Dougl. (Coccidae):					
<i>Codiaeum variegatum</i> (variegated codiaeum).....	Hawaii.....	—	1	—	Calif.*
<i>Parlatoria zizyphus</i> (Lucas) (Coccidae):					
<i>Citrus aurantifolia</i> (lime).....	Philippines, Singapore, Tahiti.....	—	1	2	Calif.*
<i>C. grandis</i> (pummelo).....	Formosa, Hong Kong, Japan.....	—	—	8	Calif.*
<i>C. limon</i> (lemon).....	Italy.....	—	—	5	Calif.*

Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued  
 [An asterisk indicates State inspection].

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonen-try	Propaga-tion	
<i>Parlatoria zizyphus</i> —Continued					
<i>C. paradisi</i> (grapefruit and pomelo)	Hawaii, Hong Kong, Italy, Spain.	4			Calif.*
<i>C. reticulata</i> (Mandarin orange)	Formosa, Japan, Philippines.	2	1		Calif.,* Hawaii.
<i>C. sinensis</i> (sweet orange)	Formosa, Japan, Spain, unknown.	1	9		Calif.*
<i>Fortunella</i> sp. (kumquat)	Unknown	1			Calif.*
<i>Pealius azaleae</i> (B. & M.) (Aleyrodidae):	England			2	N.J., N.Y.
<i>Rhododendron</i> sp. (azalea) leaf					
<i>Pectinophora gossypiella</i> (Saund.) (Gelechiidae):					
<i>Gossypium barbadense</i> (cotton; boll)	Hawaii	1			Hawaii.
<i>Gossypium</i> sp. (cotton; boll)	do	2			Hawaii.
<i>Gossypium</i> sp. (cotton; leaf)	Jamaica	1			N.Y.
<i>Gossypium</i> sp. (cottonseed)	Dominican Republic, Hawaii, Mexico.	3		3	D.C., Fla., Hawaii, Tex.
<i>Gossypium</i> sp. (seed cotton)	Mexico	2	1		Tex.
<i>Hibiscus esculentus</i> (okra)	Brazil, Dominican Republic	1	1		P.R., Tex.
<i>Perkinsiella vitiensis</i> Kirk. (Delphacidae):					
Airplane	Fiji Islands		1		Hawaii.
<i>Petraea resinella</i> (L.) (Olethreutidae):					
<i>Pinus sylvestris</i> (Scotch pine)	Union of Soviet Socialist Republics.			1	D.C.
<i>Petrusa epilepsis</i> (Kirk.) (Flatidae):					
Quarters	Bahamas		1		Fla.
<i>Phalonia zephyrana</i> (Treit.) (Phalonidiidae):					
<i>Daucus carota sativa</i> (carrot)	Italy		4		N.C., Pa.
<i>Pheidole megacephala</i> (F.) (Formicidae):					
Airplane	Japan(?)		1		Hawaii.
<i>Ananas comosus</i> (pineapple)	Puerto Rico		1		Pa.
Aquatic plants	Cuba			3	Fla., N.Y.
<i>Cabomba caroliniana</i> (Carolina fanwort)	do			3	Fla.
<i>Cocos nucifera</i> (coconut)	Hawaii	1			Hawaii.
<i>Coix lacryma-jobii</i> (Jobs-tears)	American Samoa	1			Hawaii.
<i>Colocasia antiquorum</i> (taro)	do	1			Hawaii.
Coral	Bermuda	1			N.Y.
Cuttings—unidentified	do			1	N.Y.
Cycad	Okinawa			1	Hawaii.
<i>Dahlia</i> hybrid (flowers)	Bermuda	1			N.Y.
<i>Mentha</i> sp. (mint)	Puerto Rico	1			Ill.
Mollusks	Hawaii	1			Hawaii.
<i>Nerium oleander</i>	Bermuda	1			N.Y.
Orchid	Costa Rica			1	Hawaii.
<i>Plumeria</i> sp. (lei)	American Samoa	1			Hawaii.
<i>Saccharum officinarum</i> (sugarcane)	Cuba			1	Fla.
<i>Sesbania</i> sp. (flowers)	Hawaii	1			Hawaii.
<i>Sesuvium portulacastrum</i>	American Samoa			1	Fla.
Soil with automobile	Cuba	2			Hawaii.
Soil with <i>Mentha</i> sp. (mint)	Haiti			1	N.Y.
<i>Phytomyza distigma</i> Boh. (Curculionidae):					
Bromeliad	Mexico			1	Tex.
Orchid	do			5	Tex.
<i>Phenacaspis dendrobii</i> Kuw. (Coccidae):					
Orchid	Indonesia			1	D.C.
<i>Phenacoccus hirsutus</i> Green (Coccidae):					
<i>Annona squamosa</i> (sweetsop)	Philippines	1			Hawaii.
<i>Phlegyas annulicrus</i> Stal (Lygaeidae):					
Wood (crate for pottery)	Mexico	1			Ariz.
<i>Phloeotribus scarabaeoides</i> (Bern.) (Scolytidae):					
<i>Olea europaea</i> (olive) wooden plaques	Israel	2			N.Y.
<i>Phylloxinus callosus</i> Boh. (Curculionidae):					
<i>Vitis</i> sp. (grape)	Union of South Africa	6			N.Y.
<i>Phyrus immunis</i> Guen. (Noctuidae):					
Airplane	Cuba		1		Fla.
<i>Phyllocoptes citrella</i> Staint. (?) (Gracillariidae):					
<i>Citrus</i> sp.	Thailand	1			Hawaii.
<i>Physonota alutacea</i> Boh. (Chrysomelidae):					
Bromeliad	Mexico			1	Tex.

## LIST OF INTERCEPTED PLANT PESTS, 1960

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Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued  
 [An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Phytomyza rufipes</i> Meig. (Agromyzidae):					
<i>Allium porrum</i> (leek)	Belgium	1			S.C.
<i>Brassica oleracea botrytis</i> (cauliflower)	England, Germany, Ireland, Netherlands, Northern Ireland	10			N.Y., Pa.
<i>B. oleracea capitata</i> (cabbage)	Belgium, England, Italy	4			N.Y., Pa., Tex.
<i>Cichorium endivia</i> (endive)	Belgium	14			Mass., N.Y.
<i>C. intybus</i> (chicory)	do	1			N.Y.
<i>Raphanus sativus</i> (radish)	Denmark, Sweden	2			N.Y.
<i>Pieris brassicae</i> (L.) (Pieridae):					
<i>Brassica oleracea botrytis</i> (cauliflower)	Azores, Italy	2			N.Y.
<i>B. oleracea capitata</i> (cabbage)	Azores, France	2			N.Y.
Cargo (with wooden crates)	Spain	1			N.J.
<i>Pieris rapae crucivora</i> Bdv. (Pieridae):					
Airplane	Japan	1			Hawaii.
<i>Pinnaspis buzi</i> (Bouček) (Coccidae):					
<i>Dendrobium</i> sp. (orchid)	Australia		1		Calif.*
<i>Pinnaspis orchidarum</i> (Ferris) (Coccidae):					
<i>Vanda 'Deborah'</i> (orchid)	Singapore		1		Hawaii.
<i>Plagiodesma congesta</i> Stal (Chrysomelidae):					
Orchid	Mexico		1		Tex.
<i>Plagiognathus albipennis</i> (Fallén) (Miridae):					
<i>Lactuca sativa</i> (lettuce)	Unknown		1		N.Y.
<i>Planococcus dorsopinosus</i> Ezzat & McConnell (Coccoidea):					
<i>Litchi chinensis</i> (lychee) stem	Japan	1			Hawaii.
<i>Platoecetes symmicta</i> Dyar (Psychidae):					
<i>Ananas comosus</i> (pineapple)	Mexico	1			Tex.
<i>Platycarenus humilis</i> (Hsiao-Saller) (Pentatomidae):					
Cargo (with <i>Musa paradisiaca sapientum</i> )	Ecuador	1			La.
<i>Platypus rugulosus</i> Chap. (Platypodidae):					
Airplane	Panama		1		Fla.
<i>Neclandria rodivei</i> (log)	British Guiana	1			Tex.
<i>Priotria copaifera</i> (cattivo) log	Colombia	3			Ga.
<i>Plusia chalcites</i> (Esp.) (Noctuidae):					
<i>Kalanchoe calycinum</i>	Hawaii	1			Hawaii.
<i>Lactuca sativa</i> (lettuce)	New Zealand		1		Hawaii.
Orchid	Australia	1			N.Y.
<i>Vanda hybrid</i> (orchids) flowers	Hawaii	1			Hawaii.
<i>Podagrion fuscicornis</i> (L.) (Chrysomelidae):					
Soil	Rumania	1			N.Y.
<i>Poecilips persicae</i> (Hopk.) (Scolytidae):					
<i>Eugenia malaccensis</i>	Hawaii		1		Hawaii.
<i>Polytus mellerborgii</i> (Boh.) (Curculionidae):					
<i>Musa acuminata</i>	Philippines		1		D.C.
<i>Porphyrobaphe iostoma</i> (Sowerby) (Bulimulidae):					
<i>Musa paradisiaca sapientum</i> (banana)	Ecuador, Honduras	23			La., Md., N.Y., Vt.
<i>Prays fulvocanellus</i> Wlghm. (Hyponomeutidae):					
<i>Pelea anisata</i> (pod)	Hawaii	1			Hawaii.
<i>Prays oleellus</i> (F.) (Hyponomeutidae):					
<i>Olea europaea</i> (olive)	Italy	3			N.Y.
<i>Prosopodontia batyi</i> Weise (Chrysomelidae):					
Orchid	Costa Rica		1		Hawaii.
<i>Pseudaonidia clavigera</i> (Ckll.) (Coccidae):					
<i>Gardenia augusta</i>	Hawaii	1			Calif.*
<i>Gardenia</i> sp.	do		1		Calif.*
<i>Macadamia</i> sp. (bark)	Australia		1		Calif.*
<i>Pseudaonidia paoniae</i> (Ckll.) (Coccidae):					
<i>Eurya emarginata microphylla</i>	Japan		1		D.C.
<i>Pseudaonidia triloculiformis</i> (Green) (Coccidae):					
<i>Citrus aurantifolia</i> (lime)	Brazil	3			Calif.*
<i>C. limon</i> (lemon)	do	6			Calif.*
<i>C. sinensis</i> (sweet orange)	do	1			Calif.*
<i>Mangifera indica</i> (mango)	Colombia	1			Calif.*
<i>Pseudococcus longissimus</i> (Ckll.) (Coccidae):					
<i>Mangifera indica</i> (mango)	Nicaragua	1	1		Calif.*
<i>Pseudococcus citricus</i> (Ezzat & McConnell) (Coccidae):					
<i>Citrus sinensis</i> (sweet orange)	Spain		1		N.J.

Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued  
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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Pseudococcus halli</i> (Ezzat & McConnell) (Coccidae):					
<i>Dioscorea</i> sp. (yam)	British Guiana	1			N.Y.
<i>Pseudococcus neobrevipes</i> (Beardsley) (Coccidae):	Jamaica			1	Fla.
Bromeliad					
<i>Pseudococcus palmarum</i> (Ehrh.) (Coccidae):	Hawaii	3		1	Calif.,* Hawaii,
<i>Cocos nucifera</i> (coconut)	Japan			1	Hawaii,
<i>Pseudococcus pini</i> (Kuw.) (Coccidae):	Switzerland	2			Ill., N.Y.
<i>Pinus</i> sp. (2-needle pine)	Mexico			1	Tex.
<i>Psylla rhododendri</i> Puton (Psyllidae):	do			1	Tex.
<i>Rhododendron</i> sp.	Texas				
<i>Puto mexicanus</i> (Ckll.) (Coccidae):	Guatemala			3	Fla.
<i>Dianthus</i> sp.	Kwajalein(?)	3			Hawaii.
<i>Stanhopea</i> sp. (orchid)	Wake Island(?)				
<i>Tillandsia usneoides</i> (Spanish moss)	West Pacific				
<i>Puto ulter</i> Ferris (Coccidae):	Italy	1			N.Y.
<i>Laelia anceps</i> (orchid)	Italy, Portugal	1	1		N.Y.
<i>Oncidium incurvum</i> (orchid)	Japan	1			Hawaii.
Orchid	do				
<i>Pyrausta nubilalis</i> (Hbn.) (Pyraustidae):	Italy	2			Wash.
Airplane	Italy, Japan	1			N.Y.
Baggage (with <i>Prunus persica</i> )	Italy				
<i>Capiscium frutescens</i> (pepper)	Czechoslovakia, Denmark, France, Hungary, Italy, unknown	14	6		Calif.,* Mass., N.Y., Tex.
<i>Dahlia</i> hybrid	Germany, Italy, unknown	2	1		N.Y.
<i>Phaseolus vulgaris</i> var. (string beans)	Cuba				
<i>Solanum melongena</i> (eggplant)	Switzerland				
<i>Sorghum vulgare technicum</i> (broomcorn)	Bahamas				
<i>Zea mays</i> (corn)	Mexico				
<i>Rhagoletis cerasi</i> (L.) (?) (Tephritisidae):	Italy				
<i>Prunus</i> sp. (cherry)					
<i>Rhagoletis cerasi</i> (L.) (?) (Tephritisidae):					
<i>Prunus</i> sp. (cherry)					
<i>Ribua innoxia</i> Hein. (Phytidae):					
<i>Ananas comosus</i> (pineapple)					
<i>Ripersiella cacticans</i> Hambleton (Coccidae):					
Cactus					
<i>Rotrudia mucidula olivacea</i> (Rag.) (Phytidae):					
Plant—unidentified					
<i>Rumina deccolata</i> (L.) (Achatinidae):					
Orchid					
<i>Schoenobius incertulas</i> (Wlk.) (Schoenobiidae):					
Airplane					
<i>Schizurus sermaculatus</i> Rambur (Pentatomidae):					
Forest litter with <i>Ficus carica</i> cutting	West Pacific	1			Hawaii.
<i>Selenothrips rubrocinctus</i> (Giard) (Thripidae):					
<i>Bixa orellana</i> (anatto tree)	Italy			1	N.Y.
<i>Codiaeum</i> sp.	Hawaii	1			
<i>Nephelium lappaceum</i> (rambutan)	do	2			
<i>Petroselinum crispum</i> (parsley)	Tahiti	1			
<i>Sesamia cretica</i> Led. (Noctuidae):	Japan		1		
<i>Sorghum vulgare technicum</i> (broomcorn)	Italy	1			
<i>Zea mays</i> (corn) stalk	do	1			S.C., Md.
<i>Sinoxylon anale</i> Lesne (Bostrichidae):					
Wood—unidentified	India, Pakistan	2	1		Mass., N.Y., Minn.
<i>Sinoxylon conigerum</i> Gerst. (Bostrichidae):					
Wood (crate)	India	3			Calif.,* Oreg.
<i>Siphanta acuta</i> (Wlk.) (Flatidae):					
<i>Cordyline terminalis</i> (ti)	Hawaii			1	Hawaii.
Flowers	do	1			Hawaii.
<i>Vanda</i> sp. (orchid)	do	1		1	Hawaii.
<i>Sitona lineata</i> (L.) (?) (Curculionidae):	Morocco	1			
Mollusks					
<i>Smerinthus ocellata</i> (L.) (Sphingidae):	Denmark			1	N.J.
<i>Convallaria majalis</i> (lily-of-the-valley)					

Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Solaropsis monile</i> (Broderip) (Camaenidae): <i>Musa paradisiaca sapientum</i> (banana)-----	Costa Rica, Ecuador-----	10	-----	-----	Calif.,* Fla., La., N.Y., S.C.
<i>Sphenarches caffer</i> (Zell.) (Pterophoridae): <i>Cajanus cajan</i> (pigeonpea)-----	Barbados, Haiti-----	2	-----	-----	N.Y.
<i>Spodoptera mauritia</i> (Bdv.) (Noctuidae): Airplane-----	Japan-----	1	-----	-----	Hawaii.
Baggage-----	Hawaii-----	1	-----	-----	Hawaii.
<i>Spodoptera mauritia acronyctoides</i> (Guen.) (Noctuidae): Airplane-----	Japan, South Pacific-----	3	-----	-----	Hawaii
Automobile-----	Hawaii-----	1	-----	-----	Hawaii.
Mail parcel-----	do-----	1	-----	-----	Hawaii.
<i>Spodoptera pecten</i> Guen. (?) (Noctuidae): Airplane-----	Unknown-----	1	-----	-----	Hawaii.
<i>Spondylis buprestoides</i> L. (Cerambycidae): Excelsior (packing with dishes)-----	Germany-----	1	-----	-----	N.Y.
<i>Steneotarsus nemus laticeps</i> (Halb.) (Taronemidae): <i>Narcissus</i> 'Lamarth'-----	England-----	-----	1	-----	N.J.
<i>Narcissus</i> sp.-----	England, Ireland, Netherlands-----	-----	5	-----	N.J., N.Y.
<i>Stenoma catenifer</i> Wlsm. (Stenomidae): <i>Persea americana</i> (avocado)-----	Colombia, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Venezuela-----	20	4	-----	Fla., N.Y., Tex.
<i>Stenopilia stigmatodactyla</i> Zell. (Pterophoridae): <i>Gentiana</i> sp. (flowers)-----	France, Switzerland-----	2	-----	-----	N.Y.
<i>Stephanoderes hampei</i> (Ferr.) (Scolytidae): <i>Coffea</i> sp.-----	Brazil-----	2	-----	-----	La.
<i>Sternochetus mangiferae</i> (F.) (Curculionidae): <i>Mangifera indica</i> (mango)-----	Australia, French Equatorial Africa, Guam, Hawaii, India, unknown-----	83	5	5	Calif.,* Hawaii, Mass., N.Y., Pa.
<i>Stictoptera subobliqua</i> Wlk. (Noctuidae): Airplane-----	Japan-----	-----	1	-----	Hawaii.
<i>Subulina octona</i> (Bruguiere) (Achatinidae): Broughtonia sp. (orchid)-----	Jamaica-----	-----	1	-----	Fla.
Orchid-----	Mexico-----	-----	4	-----	Tex.
Soil with <i>Kalanchoe</i> sp. plant-----	Panama-----	-----	1	-----	Fla.
Soil with <i>Chrysanthemum</i> sp.-----	Venezuela-----	-----	1	-----	N.Y.
Soil with unidentified plants-----	Brazil-----	-----	1	-----	N.Y.
Soil with <i>Rose</i> hybrid plant-----	Ecuador-----	-----	1	-----	Fla.
<i>Sybra alternans</i> (Wied.) (Cerambycidae): Baggage-----	Hawaii-----	1	-----	-----	Hawaii.
<i>Cordyline terminalis</i> (ti)-----	do-----	-----	1	-----	Hawaii.
Flowers-----	do-----	2	-----	-----	Hawaii.
<i>Operculina tuberosa</i> (wood-rose)-----	do-----	1	-----	-----	Hawaii.
<i>Vanda</i> sp. (orchid) (flowers)-----	do-----	1	-----	-----	Hawaii.
<i>Sylepta elevata</i> (F.) (Pyraustidae): <i>Ipomea batatas</i> (sweetpotato)-----	Trinidad-----	-----	1	-----	Ala.
<i>Sylepta reginalis</i> (Cram.) (Pyraustidae): <i>Chamaedorea oblongata</i> (palm)-----	Mexico-----	1	-----	-----	Tex.
<i>Taeniothrips atratus</i> (Hal.) (Thripidae): <i>Callistephus chinensis</i> (China aster)-----	France-----	1	-----	-----	N.Y.
<i>Calluna vulgaris</i> (heather) flowers-----	Germany, Scotland-----	3	-----	-----	N.Y.
<i>Chrysanthemum</i> sp.-----	England, Germany-----	2	-----	-----	N.Y.
<i>Dahlia</i> hybrid-----	Scotland-----	1	-----	-----	N.Y.
<i>Dianthus caryophyllus</i> (carnation) flowers-----	England, Germany, Netherlands, Norway, Poland, unknown-----	11	2	-----	Mass., N.Y.
Flowers—mixed-----	England, Germany, Ireland, Israel, Netherlands, Poland, Scotland, Sweden, unknown-----	14	7	-----	Mass., N.Y., Pa.
<i>Gladиolus</i> hybrid (flowers)-----	Ireland-----	1	-----	-----	N.Y.
<i>Gypsophila</i> sp.-----	Netherlands-----	-----	1	-----	N.Y.

Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Conspira-tion	Nonentry	Propaga-tion	
<i>Taeniothrips atratus</i> —Continued					
<i>Lathyrus odoratus</i> (sweetpeas)	England, Netherlands		2		N.Y.
<i>Pinus</i> sp. (pine)	Switzerland	1			N.Y.
Plants—unidentified	Netherlands			2	N.J.
<i>Rosa</i> hybrid (rose)	England	1			N.Y.
Soil with <i>Viola tricolor hortensis</i> (pansy) plants	Ireland			1	Mass.
<i>Vernonia fasciculata</i> (western ironweed)	Germany	1			N.Y.
<i>Taeniothrips dianthi</i> Pr. (Thripidae):					
<i>Dianthus caryophyllus</i> (carnation)	England		1		N.Y.
<i>Taeniothrips ericae</i> (Hal.) (Thripidae):					
<i>Calluna vulgaris</i> (heather)	Germany, Ireland, Norway, Scotland	7	4		Mass., N.Y.
<i>Hydrangea</i> sp.	Norway			1	N.Y.
<i>Taeniothrips gracilis</i> Mlt. (Thripidae):					
<i>Lycoris alba</i> (white lycoris)	Japan	1			N.Y.
<i>L. albiflora</i>	do			2	N.Y.
<i>L. aurea</i> (golden lycoris)	do			8	Calif., * N.Y.
<i>L. radiata</i> (shorttube lycoris)	do			2	N.Y.
<i>L. sanguinea</i> (orange lycoris)	do	1		1	N.Y.
<i>L. squamigera</i> (autumn lycoris)	do			5	Calif., * N.Y.
<i>Lycoris</i> sp.	do			7	Calif., * N.Y.
<i>Taeniothrips hawaiiensis</i> (Morg.) (Thripidae):					
<i>Canavalia</i> sp. (mauna loa) flower	Hawaii	1			Calif., *
<i>Dianthus caryophyllus</i> (carnation)	Hawaii, Japan	2			Hawaii.
<i>Dianthus</i> sp.	Australia	1			Hawaii.
Flowers	Hawaii	1			Hawai.
<i>Gardenia augusta</i>	Hawaii, West Pacific	56	1		Hawai.
<i>G. taitensis</i>	Hawaii	1			Hawai.
<i>Opercularia tuberosa</i> (wood-rose)	do	1			Hawai.
<i>Plumeria</i> sp.	do		1		Hawai.
<i>Sesbania grandiflora</i>	do	2			Hawai.
Sphagnum moss	Japan	1			Hawai.
<i>Taeniothrips kellyanus</i> (Bagn.) (Thripidae):					
<i>Gardenia augusta</i>	Australia	1			Hawai.
<i>Taeniothrips viticorius</i> (Ky.) (Thripidae):					
<i>Canavalia</i> sp. (mauna loa)	Hawaii	1			Hawai.
<i>Palponia batesi</i> Hein. (Olethreutidae):					
<i>Annona cherimola</i> (cherimoya)	Mexico	3			Tex.
<i>A. muricata</i> (soursop)	do	1			Tox.
<i>Annona</i> sp.	do	1			Tex.
<i>Talurus rugosus</i> (Jac.) (Chrysomelidae):					
Airplane	Venezuela		1		Fla.
" <i>Tartania</i> " <i>harrisi</i> (Ckll.) (Coccidae):	Netherlands West Indies		1		Calif.*
<i>Dioscorea</i> sp. (yam)					
<i>Tenthecoris angustimarginatus</i> Hsiao & Sailer (Miridae):					
Orchid	Mexico		3		Tex.
<i>Tenthecoris balloui</i> Hsiao & Sailer (Miridae):	Colombia		1		N.Y.
Orchid	Guatemala, Mexico		3		Tex.
<i>Tenthecoris bicolor</i> Scott (Miridae):					
Orchid	Canal Zone		1		Fla.
<i>Tenthecoris confusus</i> Hsiao & Sailer (Miridae):	Mexico		1		Calif.*
<i>Epidendrum</i> sp. (orchid)	do		1		Calif.*
<i>Laelia anceps</i> (orchid)	do		1		Calif.*
<i>L. autumnalis</i>	do		2		Tex.
Orchid	Guatemala		1		Fla.
<i>Tenthecoris vestitus</i> (Dist.) (Miridae):					
Orchid	Netherlands		1		D.C.
<i>Tenuipalpus punice</i> P. & B. (Tenuipalpidae):					
<i>Crassula lycopodioides</i> (clubmoss crassula)	Australia		1		Hawai.
<i>Tetranychus cinnabarinus</i> (Bois.) (Tetranychidae):	Unknown		1		N.Y.
<i>Cymbidium</i> sp. (orchid)	Italy		1		Mass.
<i>Dianthus caryophyllus</i> (carnation)	Netherlands		1		N.Y.
<i>Rosa</i> hybrid	Italy		1		N.Y.
<i>Tetranychus viennensis</i> Zacher (Tetranychidae):	Netherlands		1		N.Y.
<i>Rhododendron</i> sp.	Italy		1		Calif.*
<i>Theba pisana</i> (Müller) (Helicidae):	France, Spain	2			La., Tex.
<i>Anthemis nobilis</i> (Roman camomile)	Morocco		1		N.Y.
Automobile					
<i>Begonia</i> sp.					

## LIST OF INTERCEPTED PLANT PESTS, 1960

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Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued  
 [An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Pheba pisana</i> —Continued					
<i>Capiscum frutescens grossum</i> (bell pepper)	Spain		1		N.Y.
Flowers	France	1			N.Y.
Herbs	Unknown	1			Fla.
Military cargo	Azores, France, Italy, Libya, Morocco, Spain	63			La., Mass., N.J., N.Y., S.C., Va.
Mollusks (with <i>Helix aspersa</i> )	Italy	1			N.Y.
None (brought as food)	Greece, Italy	3			N.Y.
Quarters (ship)	Spain		1		Tex.
<i>Theretra tryoni</i> Misk. (Sphingidae):	West Pacific		1		Hawaii.
Airplane					
<i>Thrips angusticeps</i> Uzel (Thripidae):	Italy	1			N.Y.
<i>Cynara scolymus</i> (globe artichoke)	Spain	1			N.Y.
<i>Dianthus caryophyllus</i> (carnation) flowers	Israel	1			N.Y.
<i>Gladiolus</i> hybrid (flowers)	Denmark, unknown	1	5		N.Y.
<i>Lactuca sativa</i> (lettuce)	Denmark				N.Y.
<i>Prunus</i> sp. (blooms)	Israel	1			N.Y.
<i>Thrips flavus</i> Schrank (Thripidae):					
<i>Acacia</i> sp.	France	1			Mass.
<i>Callistephus chinensis</i> (China aster)	do	1			N.Y.
<i>Calluna vulgaris</i> (heather) flowers	Germany	1			N.Y.
<i>Chrysanthemum</i> sp. (flowers)	England, Germany, Ireland	4			Mass., Mich., N.Y., Pa.
<i>Dahlia</i> hybrid	Scotland	1			N.Y.
<i>Dianthus caryophyllus</i> (carnation)	Germany	1			N.Y.
Flowers—mixed	England, Germany, Ireland, unknown	3	2		Mass., N.Y., Pa.
<i>Gladiolus</i> hybrid (flowers)	Ireland	1			N.Y.
<i>Lilium</i> sp.	Japan	1			Hawaii.
<i>Narcissus</i> sp.	Scotland	1			N.Y.
Plants—unidentified	Netherlands			3	N.J.
<i>Polianthes tuberosa</i> (tuberose) flowers	Denmark	1			N.Y.
Soil with <i>Viola tricolor hortensis</i> (pansy)	Ireland			1	Mass.
<i>Rosa</i> hybrid	Luxembourg	1			N.Y.
<i>Zinnia</i> sp. (flowers)	England, Germany	2			Mass., Pa.
<i>Thrips imaginis</i> Bagn. (Thripidae):					
<i>Gladiolus</i> hybrid	Australia	1			Hawaii.
<i>Thrips major</i> Uzel (Thripidae):					
<i>Acacia</i> sp.	France	1			Mass.
<i>Callistephus chinensis</i> (China aster)	do	1			N.Y.
<i>Calluna vulgaris</i> (heather) flowers	Denmark, Germany	2			N.Y.
<i>Chrysanthemum</i> sp. (flowers)	England, Germany	2			Mich., Pa.
<i>Dianthus caryophyllus</i> (carnation) flowers	Unknown		1		N.Y.
Flowers—mixed	England, Ireland, Scotland, unknown	2	2		N.Y., Pa.
<i>Lonicera</i> sp. (honeysuckle) flowers	Italy	1			N.Y.
Plants—unidentified	Netherlands			1	N.J.
<i>Rosa</i> hybrid (flowers)	England	1			N.Y.
<i>Thrips praetermissus</i> Pr. (Thripidae):					
<i>Callistephus chinensis</i> (China aster)	France	1			N.Y.
<i>Chrysanthemum</i> sp. (flowers)	England	1			Mich.
<i>Trialeurodes lauri</i> (Sign.) (Aleyrodidae):					
<i>Laurus nobilis</i> (Grecian laurel)	Luxembourg	2			N.Y.
<i>Trialeurodes similis</i> Rsl. (Aleyrodidae):					
<i>Citrus</i> sp. (leaves)	Mexico	1			Tex.
<i>Psidium guajava</i> (guava)	do	1			Tex.
<i>Trialeurodes vitinellus</i> Ckll. (Aleyrodidae):					
<i>Citrus</i> sp. (leaves)	do		2		Ariz., Ill.
<i>Trionymus sacchari</i> (Ckll.) (Coccidae):					
<i>Miscanthus japonicus</i> (Japanese silvergrass)	Formosa			1	D.C.
<i>Saccharum officinarum</i> (sugarcane)	Cuba, Hawaii, Mexico	4		1	Calif., * D.C., Fla.
<i>Trochuda raspa</i> (Druse) (Diptidae):					
Orechid	Mexico			1	Tex.
<i>Trogoderma glabrum</i> (Hbst.) (Dermestidae):					
Cellulose	do			1	Tex.
Grain	do			3	Ariz., Tex.
<i>Hordeum vulgare</i> (barley)	do			1	Ariz.
<i>Pistacia</i> sp. (nuts)	Iran			1	N.Y.

## PLANT QUARANTINE DIVISION

Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Trogoderma glabrum</i> —Continued					
Railway car	Mexico	2			Tex.
<i>Sorghum vulgare</i> (sorghum)	do	1			Tex.
<i>Triticum aestivum</i> (wheat)	do	2			Calif., Tex.
<i>Trogoderma granarium</i> Everts (Dermestidae):					
<i>Acacia senegal</i> (gum arabic)	Singapore, Sudan, United Arab Republic	8			N.Y.
<i>Arachis hypogaea</i> (peanut)	Singapore	1			Oreg.
Automobile (contamination)	Unknown	1			Tex.
Bagging (including used burlap wrappers of baled rubber, gum arabic, guar gum, and seedlac, and sacks used for lentils, pigeonpeas rice, turmeric, etc.)	Asia (country(?)), Ceylon, England, Formosa, India, Pakistan, Singapore, Sudan, unknown	14	7		Calif., *N.Y., N.C., Tex.
<i>Cajanus cajan</i> (pigeonpea)	India	5			Md., Tex.
<i>Capsicum frutescens</i> (pepper)	do	1			Tex.
Cargo (with steel, tuna fish cartons, etc.)	Ceylon, Portugal, unknown	2	1		La., Md., N.Y.
<i>Cuminum cyminum</i> (cumin) seed	Iran	3			N.Y.
<i>Cyamopsis tetragonoloba</i> (guar gum)	India, Pakistan	12			Ill., N.Y., S.C.
Debris	Unknown	3			N.C., Tex.
<i>Glycine max</i> (soybean)	do	1			Ohio.
Goat skins	Nigeria, Pakistan	2			N.Y., Pa.
<i>Hordeum vulgare</i> (barley)	Unknown	1			Ohio.
Karaya gum	India	4			N.Y.
<i>Oryza sativa</i> (rice)	Burma, China, Formosa, Hong Kong, India, Iran, Japan, Kuwait, Singapore, Union of South Africa, United Arab Republic	24			Ala., Calif., *Hawaii, La., Md., N.Y., N.C., Oreg., Pa., Tex.
<i>Papaver</i> sp. (poppyseed)	Iran	1			N.Y.
<i>Phaseolus aureus</i> (mung bean)	Unknown	1			La.
<i>P. vulgaris</i> (bean)	India, Netherlands, United Arab Republic	3			Calif., * Tex.
Quarters (cargo hold of ship)	Europe (country(?)), Sudan, unknown	3			Calif., * Pa.
Seedlac	India	2			N.Y.
Stores (including chickpea, coffee, flour, macaroni, mixed grain, peas, spaghetti, sugar, tapioca, etc.)	Formosa, India, Indonesia, Japan, Lebanon, Netherlands, unknown	26			Ala., Calif., *Fla., Hawaii, La., Minn., N.Y., Oreg., Pa., Tex., Va., Wash.
<i>Terminalia</i> sp. (myrobalan)	India	3			N.C., S.C.
<i>Triticum aestivum</i> (wheat) flour	Germany, unknown	2			La., N.C.
<i>Trogoderma inclusum</i> LeConte (Dermestidae):					
Automobile	Morocco	1			S.C.
<i>Cuminum cyminum</i> (cumin) seed	India	1			Md.
Grain—mixed	Mexico	1			Ariz.
Herb	Italy	1			N.Y.
Quarters	Unknown	1			Tex.
Stores	Canal Zone, unknown	3			Ala., Calif., *La.
<i>Trogoderma ornatum</i> (Say) (Dermestidae):					
Airplane	Bahamas	1			Fla.
Bromeliad	Mexico		1		Tex.
Mail	Germany, unknown	2			Minn., N.J.
Military cargo	Morocco	1			S.C.
<i>Oryza sativa</i> (rice)	Unknown	1			La.
<i>Phaseolus vulgaris</i> (bean)	Canada	1			Mich.
Stores	Unknown	1			Mich.
<i>Vicia faba</i> (broadbean)	Canada		1		Mich.

## LIST OF INTERCEPTED PLANT PESTS, 1960

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Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Trogoderma parabile</i> Beal (Dermestidae):					
Automobile	Mexico		1		Ariz.
Bagging	do		1		Tex.
<i>Gossypium</i> sp. (cottonseed)	do		1		Tex.
<i>Elettaria cardamomum</i> (cardamon)	Unknown		1		Tex.
Macaroni	do		1		N.Y.
<i>Oryza sativa</i> (rice)	do		1		Tex.
Quarters	do		1		Pa.
Railway car	Mexico		1		Tex.
Stores	Unknown		1		Pa.
<i>Trogozylon aequale</i> (Woll.) (Lyctidae):					
Wood (chair)	Mexico	1			Tex.
<i>Trogozylon prostomoides</i> (Gorh.) (Lyctidae):					
Wood	do	1			Tex.
<i>Tropidacris latreillei</i> (Perty) (Acridiidae):					
Orchid	Costa Rica			1	Fla.
<i>Trypheltus incarnatus</i> (Gyll.) (Curculionidae):					
<i>Entada</i> sp. (seed)	Burma	1			N.Y.
<i>Udea ferrugalis</i> (Hbn.) (Pyraustidae):					
<i>Brassica oleracea capitata</i> (cabbage)	Italy		1		N.Y.
<i>Lactuca sativa</i> (lettuce)	do		1		N.Y.
<i>Unaspis citri</i> (Comst.) (Coccidae):					
<i>Citrus aurantiifolia</i> (lime)	Japan		1		Calif.*
<i>C. aurantium</i> var.	do		2		Calif.*
<i>C. ichangensis</i> x <i>C. reticulata</i> (ichangarin)	do		2		Calif.*
<i>C. reticulata</i> (Mandarin orange)	do		3		Calif.*
<i>C. sinensis</i> (sweet orange)	Japan, unknown		5		Calif.*
<i>Unaspis euonymi</i> (Comst.) (Coccidae):					
<i>Euonymus phellomanus</i>	Netherlands			1	N.J.
<i>Unaspis yanonensis</i> (Kuw.) (Coccidae):					
<i>Citrus aurantiifolia</i> (lime)	Japan	2	1		Hawaii.
<i>C. aurantium</i> (sour orange)	do		7		Calif.*
<i>C. grandis</i> (pummelo)	do		1		Hawaii.
<i>C. hystrix</i> (mauritius)	do		1		Hawaii.
<i>C. limon</i> (lemon)	do		4		Calif.*
<i>C. paradisi</i> (grapefruit)	do		15		Calif.*
<i>C. paradisi</i> x <i>C. reticulata</i> (tangelo)	do		2		Hawaii.
<i>C. reticulata</i> (Mandarin orange)	Formosa, Japan, Philippines	10	110		Calif.*
<i>C. reticulata</i> var. (King orange)	Japan	1	2		Hawaii.
<i>C. sinensis</i> (sweet orange)	Australia (?), Hong Kong, Japan, Philippines	13	138		Calif.,* Hawaii, Pa.
<i>Citrus</i> sp.	Japan		6		Calif.,* Hawaii.
<i>Veronicella moreleti</i> (Crosse & Fischer) (?) (Veronicellidae):					
Orchid	Canal Zone			1	Fla.
<i>Vilga dissimilis</i> Dist. (Coreidae):					
Orchid	do			1	Fla.
<i>Vinsonia stellifera</i> (Westw.) (Coccidae):					
<i>Brassia</i> sp. (orchid)	Canal Zone, El Salvador			2	Calif.,* Fla.
<i>Broughtonia</i> sp. (orchid)	Grand Cayman, Jamaica			8	Fla.
<i>Cattleya</i> sp. (orchid)	Antigua, British Honduras			2	Fla.
<i>Epidendrum</i> sp. (orchid)	Canal Zone			1	Fla.
Leaf—unidentified	do			1	Fla.
<i>Mangifera indica</i> (mango) leaf	Cuba, Pakistan		1	1	Fla.
<i>Oncidium</i> sp. (orchid)	British Guiana, Trinidad			2	Fla.
Orchid	Antigua, British Guiana, British Honduras, Canal Zone, Costa Rica, Jamaica, Panama, Surinam			20	Fla., N.Y.
Plant—unidentified	Jamaica			1	Fla.

Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Xeroleuca mograbina</i> (Morelet) (Helicellidae): Military cargo.....	Morocco.....	1	—	—	S.C.
<i>Xiphidiopsis lila</i> Heb. (Tettigoniidae): Flowers (tropical).....	Hawaii.....	1	—	—	Hawaii.
<i>Xyleborus biconicus</i> Egg. (Scolytidae): <i>Guettarda</i> sp. ("tala") log.....	Argentina.....	1	—	—	N.Y.
<i>Xyleborus testaceus</i> (Wlk.) (Scolytidae): Orchid.....	Hawaii.....	1	—	—	Hawaii.
<i>Xylomeira torquata</i> (F.) (Bostrichidae): Airplane.....	Unknown.....	—	2	—	P.R.
<i>Xyloperthella picea</i> (Ol.) (Bostrichidae): <i>Zanthozylum senegalense</i> (Senegal pricklyash)	Nigeria.....	1	—	—	N.Y.
<i>Xylotrips religiosus</i> (Boisd.) (Bostrichidae): Airplane.....	Hawaii(?).....	1	—	—	Hawaii.
Wood (canoe).....	American Samoa.....	2	—	—	Calif.*

## Hosts and Insects

## ACACIA:

- Thrips flavus* (Thysanoptera)  
*T. major* (Thysanoptera)  
*Trogoderma granarium* (Coleoptera)

## ACER:

- Aceria macrochelus* (Acarina)  
*A. macrorhynchus* (Acarina)  
*Aculops aceris* (Acarina)

## ACHIRAS:

- Anastrepha mombinpraeoptans* (Diptera)  
*A. serpentina* (Diptera)

## AGAPANTHUS:

- Haplothrips gowdeyi* (Thysanoptera)

## AGAVE:

- Batrachedra linaria* (Lepidoptera)  
*Diachus auratus* (Coleoptera)

## ALLIUM CEPA:

- Lygaeus albo-ornatus* (Hemiptera)

## ALLIUM PORRUM:

- Acrolepis assectella* (Lepidoptera)

- Phytomyza rufipes* (Diptera)

## ALLIUM SATIVUM:

- Brachycerus albidentatus* (Coleoptera)  
*B. algirus* (Coleoptera)

- Dyspessa ulula* (Lepidoptera)

- Frankliniella tenuicornis* (Thysanoptera)

## ALPINIA:

- Adoretus sinicus* (Coleoptera)

## ALYXIA:

- Ceroplastes rubens* (Homoptera)

## AMARYLLIS:

- Diaprepes famelicus* var. (Coleoptera)

## ANANAS:

- Alpheus conspirata* (Lepidoptera)

- Metamasius hemipterus sericeus* (Coleoptera)

- Pheidoles megacephala* (Hymenoptera)

- Platocetis syrmicta* (Lepidoptera)

- Ribua innoxia* (Lepidoptera)

## ANNONA:

- Bephritis maculicollis* (Hymenoptera)

- Brevipalpus chiensis* (Acarina)

- Cerconota anonella* (Lepidoptera)

- Phenacoccus hirsutus* (Homoptera)

- Talponia batesi* (Lepidoptera)

## ANTHEMIS:

- Cochlicella ventrosa* (Mollusca)

- Theba pisana* (Mollusca)

## ANTHURIUM:

- Adoretus sinicus* (Coleoptera)

- Conoderus exsil* (Coleoptera)

## APIUM:

- Euleia heraclei* (?) (Diptera)

- Otala lactea* (Mollusca)

## ARACHIS:

- Trogoderma granarium* (Coleoptera)

## ARCTOTIS:

- Frankliniella formosae* (Thysanoptera)

## ARECA:

- Coptotermes castor* (Isoptera)

## ARMORACIA:

- Baris lepidii* (Coleoptera)

## AUCUBA:

- Hypera postica* (Coleoptera)

## BAMBOO:

- Myelobia smerinthia* (Lepidoptera)

## BEGONIA:

- Haplothrips gowdeyi* (Thysanoptera)

- Theba pisana* (Mollusca)

## BETA:

- Gnorimoschema ocellatella* (Lepidoptera)

- Lytus lineolaris* (Hemiptera)

## BIXA:

- Geotomus pygmaeus* (Hemiptera)

- Selenothrips rubrocinctus* (Thysanoptera)

## BRASSIA:

- Vinsonia stellifera* (Homoptera)

## BRASSICA CHINENSIS:

- Mamestra brassicae* (Lepidoptera)

- Nearoz antennata* (Hemiptera)

## BRASSICA OLERACEA:

- Evergestis forficalis* (Lepidoptera)

## BRASSICA OLERACEA BOTRYTIS:

- Evergestis forficalis* (Lepidoptera)

- Helix aperta* (Mollusca)

- Mamestra brassicae* (Lepidoptera)

- Otala lactea* (Mollusca)

## BRASSICA OLERACEA BOTRYTIS—Con.

- Phytomyza rufipes* (Diptera)

- Pieris brassicae* (Lepidoptera)

## BRASSICA OLERACEA CAPITATA:

- Arion ater* (Mollusca)

- Evergestis forficalis* (Lepidoptera)

- Helicella conspurcata* (Mollusca)

- H. variabilis* (Mollusca)

- Helix aperta* (Mollusca)

- H. aspersa* (Mollusca)

- H. fuliginea* (?) (Mollusca)

- Mamestra brassicae* (Lepidoptera)

- Phytomyza rufipes* (Diptera)

- Pieris brassicae* (Lepidoptera)

- Udea ferrugalis* (Lepidoptera)

## BRASSICA RAPA:

- Ceutorhynchus pleurostigma* (Coleoptera)

- Hellula undulata* (Lepidoptera)

## BROMELIA:

- Capaneus tetricus* (Hemiptera)

## BROMELIAD:

- Anthonomus abilineatus* (Coleoptera)

- Chalepus omogerus* (Coleoptera)

- Cligenes delineata* (Hemiptera)

- Dendrocoris eriegatus* (Hemiptera)

- Diabrotica porracea* (Coleoptera)

- Heterotermes conteinotatus* (Isoptera)

- Iridomyrmex iniquus* (Hymenoptera)

- Odontocasta biannularis* (Coleoptera)

- Phelypera distigma* (Coleoptera)

- Physsonota alutacea* (Coleoptera)

- Pseudococcus neobrevipes* (Homoptera)

- Trogoderma ornatum* (Coleoptera)

## BROUGHTONIA:

- Subulina octona* (Mollusca)

- Vinsonia stellifera* (Homoptera)

## BROWNEA:

- Dercynus micronyx* (Coleoptera)

## BUXUS:

- Friophyes canestrinii* (Acarina)

## CABOMBA:

- Nasutitermes costalis* (Isoptera)

- Pheidole megacephala* (Hymenoptera)

## CACTUS:

- Heitz aspersa* (Mollusca)

- Lepidosaphes philococcus* (Homoptera)

- Ripariella cacticola* (Homoptera)

## CAJANUS:

- Acanthoscelides armitagei* (Coleoptera)

- Ceratoma ruficornis* (Coleoptera)

- Diaprepes abbreviatus* var. (Coleoptera)

- Fundella pellucens* (Lepidoptera)

- Maruca testulalis* (Lepidoptera)

- Metamasius hemipterus hemipterus* (Coleoptera)

- Monomorium destructor* (Hymenoptera)

- Sphenarches caffer* (Lepidoptera)

- Trogoderma granarium* (Coleoptera)

## CALLISTEPHUS:

- Frankliniella intonsa* (Thysanoptera)

- Taeniothrips atratus* (Thysanoptera)

- Thripa flava* (Thysanoptera)

- T. major* (Thysanoptera)

- T. praetermissus* (Thysanoptera)

## CALLUNA:

- Fieberocapsus flaveolus* (?) (Hemiptera)

- Frankliniella intonsa* (Thysanoptera)

- Gelechia ericella* (Lepidoptera)

- Micrelus ericae* (Coleoptera)

- Orthotylus ericotrum* (Hemiptera)

- Taeniothrips atratus* (Thysanoptera)

- T. ericae* (Thysanoptera)

- Thripa flava* (Thysanoptera)

- T. major* (Thysanoptera)

## CALOCARPUM:

- Anastrepha ludens* (Diptera)

- A. serpentina* (Diptera)

## CAMELLIA:

- Aleurotuberculatus similis* (Homoptera)

- Callidium rufofusco* (Coleoptera)

- Fiorinia theae* (Homoptera)

## CANAVALIA:

- Haplothrips gowdeyi* (Thysanoptera)

- Lampides boeticus* (Lepidoptera)

- Maruca testulalis* (Lepidoptera)

- Taeniothrips hawaiiensis* (Thysanoptera)

- T. vitticornis* (Thysanoptera)

*Hosts and Insects—Continued*

## CAPSICUM:

- Cryptophlebia leucotreta* (Lepidoptera)  
*Gnorimoschema gudmanella* (Lepidoptera)  
*Helicella striata* (?) (Mollusca)  
*Pyrausta nubilalis* (Lepidoptera)  
*Theba pisana* (Mollusca)  
*Trogoderma granarium* (Coleoptera)

## CARICA:

- Dacus dorsalis* (Diptera)

## CARTHAMUS:

- Helicella caperata* (Mollusca)

## CASIMIROA:

- Anastrepha ludens* (Diptera)

## CASSIA:

- Anagantesis indecora* (Lepidoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)

## CASTANEA:

- Curculio elephas* (Coleoptera)  
*Hemimene juliana* (Lepidoptera)  
*Laspeyresia splendana* (Lepidoptera)

## CATTLEYA:

- Chrysomphalus umboniferus* (Homoptera)  
*Mordellistena cattleyana* (Coleoptera)

- Vinsonia stellifera* (Homoptera)

## CELOSLIA:

- Bradybaena similaris* (Mollusca)

## CERATONIA:

- Ectomyelois ceratoniae* (Lepidoptera)  
*E. muriscis* (Lepidoptera)

- Ephestia calidella* (Lepidoptera)

## CHAMAEDOREA:

- Aleuroplatus variegatus* (Homoptera)  
*Calypcocephala gerstaeckeri* (Coleoptera)  
*C. marginipennis* (Coleoptera)  
*Charidotis seminulum* (Coleoptera)  
*Chrysomphalus sphaerioides* (Homoptera)  
*Coelocnemis nigrostris* (Coleoptera)  
*Ctenochira hecita* (Coleoptera)  
*C. hieroglyphica* (Coleoptera)  
*C. plicata* (Coleoptera)  
*Deloyala guttata bohemani* (Coleoptera)  
*Deuterocampta atramaculata* (Coleoptera)  
*Helicina zephyrinus* (Mollusca)  
*Ogdoecosta catenulata* (Coleoptera)  
*Parisoschoenus florolimbatus* (Coleoptera)  
*Sylepta reginalis* (Lepidoptera)

## CHRYSANTHEMUM:

- Conotelus mexicanus* (Coleoptera)  
*Frankliniella formosae* (Thysanoptera)  
*F. intonosa* (Thysanoptera)  
*Haplothrips goodeyi* (Thysanoptera)  
*Lytus lineolaris* (Hemiptera)  
*Myzus ascalonicus* (Homoptera)  
*Orthope cerinurus* (Hemiptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Thrips flacrus* (Thysanoptera)  
*T. major* (Thysanoptera)  
*T. praetermissus* (Thysanoptera)

## CICER:

- Callosobruchus analis* (Coleoptera)

## CICHORIUM:

- Phytomyza rufipes* (Diptera)

## CITRUS AURANTIFOLIA:

- Alurocanthus woglumi* (Homoptera)  
*Anastrepha ludens* (Diptera)  
*Chrysomphalus personatus* (Homoptera)  
*Parlatoria cinerea* (Homoptera)  
*P. zizyphus* (Homoptera)  
*Pseudoaonidiopsis trilobitiformis* (Homoptera)  
*Unaspis citri* (Homoptera)  
*U. yanensis* (Homoptera)

## CITRUS AURANTIUM:

- Anastrepha ludens* (Diptera)  
*Coccus pseudomagnolarum* (Homoptera)  
*Morganella longispina* (Homoptera)  
*Unaspis yanensis* (Homoptera)

## CITRUS AURANTIUM VAR.:

- Unaspis citri* (Homoptera)

## CITRUS GRANDIS:

- Parlatoria zizyphus* (Homoptera)  
*Unaspis yanensis* (Homoptera)

## CITRUS HYSTRIX:

- Unaspis yanensis* (Homoptera)

## CITRUS ICHANGENSIS X C. RETICULATA:

- Unaspis citri* (Homoptera)

## CITRUS LIMON:

- Ceratitis capitata* (Diptera)  
*Cochlicella barbara* (Mollusca)  
*C. ventrosa* (Mollusca)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Otala vermiculata* (Mollusca)  
*Parlatoria cinerea* (Homoptera)  
*P. zizyphus* (Homoptera)  
*Pseudoaonidiopsis trilobitiformis* (Homoptera)  
*Unaspis yanensis* (Homoptera)

## CITRUS PARADISI:

- Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Morganella longispina* (Homoptera)  
*Parlatoria zizyphus* (Homoptera)  
*Unaspis yanensis* (Homoptera)

## CITRUS PARADISI X C. RETICULATA:

- Unaspis yanensis* (Homoptera)

## CITRUS RETICULATA:

- Brevipalpus obovatus* (Acarina)  
*Ceratitis capitata* (Diptera)  
*Morganella longispina* (Homoptera)  
*Parlatoria zizyphus* (Homoptera)  
*Unaspis citri* (Homoptera)  
*U. yanensis* (Homoptera)

## CITRUS RETICULATA VAR.:

- Unaspis yanensis* (Homoptera)

## CITRUS SINENSIS:

- Alurocanthus spiniferus* (Homoptera)  
*A. woglumi* (Homoptera)  
*Anastrepha ludens* (Diptera)  
*Bemisia giffardi* (Homoptera)  
*Brevipalpus chilensis* (Acarina)  
*Ceratitis capitata* (Diptera)  
*Chrysomphalus bifasciatus* (Homoptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Cryptophlebia leucotreta* (Lepidoptera)  
*Dialeurodes citrifolii* (Homoptera)  
*Gymnandrosoma aurantium* (Lepidoptera)  
*Helix aspersa* (Mollusca)  
*Monomorium destructor* (Hymenoptera)  
*Morganella longispina* (Homoptera)  
*Parlatoria cinerea* (Homoptera)  
*P. zizyphus* (Homoptera)  
*Pseudoaonidiopsis trilobitiformis* (Homoptera)  
*Pseudococcidae citricus* (Homoptera)  
*Unaspis citri* (Homoptera)  
*U. yanensis* (Homoptera)

## CITRUS SP.:

- Alurocanthus woglumi* (Homoptera)  
*Dialeurodes citrifolii* (Homoptera)  
*Frankliniella formosae* (Thysanoptera)  
*Phyllocoptis citrella* (?) (Lepidoptera)  
*Trialeurodes similis* (Homoptera)  
*T. vitrinellus* (Homoptera)  
*Unaspis yanensis* (Homoptera)

## CLEMATIS:

- Aleyrodes proletella* (Homoptera)

## COCOS:

- Aspidiotus palmiae* (Homoptera)  
*Chrysomphalus albopictus* (Homoptera)  
*C. personatus* (Homoptera)  
*Diocalandra taitensis* (Coleoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Pseudococcus palmarum* (Homoptera)

## CODIAEUM:

- Lepidosaphes tokionis* (Homoptera)  
*Parlatoria crotonis* (Homoptera)  
*Selenothrips rubrocinctus* (Thysanoptera)

## COFFEA:

- Ceratitis capitata* (Diptera)  
*Cryptophlebia illepida* (Lepidoptera)  
*Dacus dorsalis* (?) (Diptera)  
*Haplothrips goodeyi* (Thysanoptera)  
*Leucoptera coffeeella* (Lepidoptera)  
*Stephanoderes hampei* (Coleoptera)

## COIX:

- Pheidole megacephala* (Hymenoptera)

## COLOCASIA:

- Organothrips bianchii* (Thysanoptera)

- Pheidole megacephala* (Hymenoptera)

## COMPOSITAE:

- Metropopla ditomoides* (Hemiptera)

## CONVALLARIA:

- Lema melanopa* (Colcoptera)

- Smerinthus ocellata* (Lepidoptera)

## Hosts and Insects—Continued

## CORDYLINE:

*Oxydema fusiforme* (Coleoptera)  
*Siphanta acuta* (Homoptera)

*Sybra alterans* (Coleoptera)

## CORYLUS:

*Curculio nucum* (Coleoptera)

## CRASSULA:

*Bertrippalpus oboratus* (Acarina)

*Tenuipalpus punicae* (Acarina)

## CUCUMIS:

*Cerotoma ruficornis* (Coleoptera)

*Ligyrocoris aurivilliana* (Hemiptera)

## CUMINUM:

*Trogoderma granarium* (Coleoptera)

*T. inclusum* (Coleoptera)

## CUPRESSUS:

*Eretria tessulatana* (?) (Lepidoptera)

## CYAMOPSIS:

*Trogoderma granarium* (Coleoptera)

## CYCAD:

*Oligogona sacchari* (Lepidoptera)

*Pheidole megacephala* (Hymenoptera)

## CYDONIA:

*Anastrepha ludens* (Diptera)

*Ceratitis capitata* (Diptera)

*Ectomyelois ceratoniae* (Lepidoptera)

*Grapholita packardi* (Lepidoptera)

*Kalotermes flavicollis* (Isoptera)

## CYMBIDIUM:

*Lepidosaphes tuberculata* (Homoptera)

*Tetranychus cinnabarinus* (Acarina)

## CYNARA:

*Apion carduorum* (Coleoptera)

*Cassida sanguinolenta* (Coleoptera)

*C. vibex* (Coleoptera)

*Thrips angusticeps* (Thysanoptera)

## DAHLIA:

*Lema erichsoni* (Coleoptera)

*Oligogona sacchari* (Lepidoptera)

*Pheidole megacephala* (Hymenoptera)

*Pyrausta nubilalis* (Lepidoptera)

*Taeniothrips atratus* (Thysanoptera)

*Thrips flavus* (Thysanoptera)

## DAUCUS:

*Phalonia zephryana* (Lepidoptera)

## DENDROBIUM:

*Pinaspis buzi* (Homoptera)

## DIANTHUS:

*Frankliniella formosae* (Thysanoptera)

*F. intonsa* (Thysanoptera)

*Haplothrips cotlei* (Thysanoptera)

*H. goudotii* (Thysanoptera)

*Helix aspersa* (Mollusca)

*Limothrips denticornis* (Thysanoptera)

*Puto mexicanus* (Homoptera)

*Taeniothrips atratus* (Thysanoptera)

*T. dianthi* (Thysanoptera)

*T. hawaiiensis* (Thysanoptera)

*Tetranychus cinnabarinus* (Acarina)

*Thrips angusticeps* (Thysanoptera)

*T. flavus* (Thysanoptera)

*T. major* (Thysanoptera)

## DIÓON:

*Aulacoscelis melanocera* (Coleoptera)

## DIOSPYROS:

*Archips prounbanus* (?) (Lepidoptera)

*Ceratitis capitata* (Diptera)

*Palaeopus costicollis* (Coleoptera)

*Pseudococcus halli* (Homoptera)

"*Targionia*" *hartii* (Homoptera)

## DOLICHOS:

*Callosobruchus phaseoli* (Coleoptera)

## ECHINODORUS:

*Delphacodes teapae* (Homoptera)

## ELETTARIA:

*Trogoderma parabile* (Coleoptera)

## ENTADA:

*Tryphetus incarnatus* (Coleoptera)

## ENTEROLOBIUM:

*Ectomyelois muricis* (Lepidoptera)

## EPIDENDRUM:

*Orchidophilus aterrimus* (Coleoptera)

*Pangaeus rugiceps* (Hemiptera)

*Tenthecoris confusus* (Hemiptera)

*Vinsonia stellifera* (Homoptera)

## EREMOCITRUS:

*Megastigmus limoni* (Hymenoptera)

## ERIOBOTRYA:

*Ceratitis capitata* (Diptera)

*Ectomyelois ceratoniae* (Lepidoptera)

## ERYNGIUM:

*Bradybaena similaris* (Mollusca)

*Frankliniella williamsi* (Thysanoptera)

## EUGENIA:

*Ceratitis capitata* (Diptera)

*Poecilips persicae* (Coleoptera)

## EUONYMUS:

*Unaspis euonymi* (Homoptera)

## EURYA:

*Pseudaonidia paeoniae* (Homoptera)

## FICUS:

*Ceratitis capitata* (Diptera)

*Gynaikothrips ficorum* (Thysanoptera)

*Hypoborus ficus* (Coleoptera)

## FORTUNELLA:

*Parlatoria zizyphus* (Homoptera)

## GARDENIA:

*Aleuroglandulus emmae* (Homoptera)

*Aleuroparadoxus gardeniae* (Homoptera)

*Aleurothrixus myrtacei* (Homoptera)

*Coccus viridis* (Homoptera)

*Cryptoccephalus zeraapelinus* (Coleoptera)

*Dialeurodes kirkaldyi* (Homoptera)

*Frankliniella formosae* (Thysanoptera)

*Pseudaonidia clavigera* (Homoptera)

*Taeniothrips hawaiiensis* (Thysanoptera)

*T. kellyanus* (Thysanoptera)

## GENTIANA:

*Stenopilia stigmatodactyla* (Lepidoptera)

## GLADIOLUS:

*Frankliniella formosae* (Thysanoptera)

*F. intonsa* (Thysanoptera)

*Taeniothrips atratus* (Thysanoptera)

*Thrips angusticeps* (Thysanoptera)

*T. flavus* (Thysanoptera)

*T. imaginis* (Thysanoptera)

## GLYCINE:

*Trogoderma granarium* (Coleoptera)

## GOSSYPIUM:

*Exoptchiomera oblonga* (Hemiptera)

*Pectinophora gossypiella* (Lepidoptera)

*Trogoderma parabile* (Coleoptera)

## GUETTARDA:

*Xyleborus biconicus* (Coleoptera)

## GYPSOPHILA:

*Taeniothrips atratus* (Thysanoptera)

## HELICONIA:

*Conoderus exsul* (Coleoptera)

## HIBISCUS:

*Oopsis nutator* (Coleoptera)

*Pectinophora gossypiella* (Lepidoptera)

## HORDEUM:

*Trogoderma glabrum* (Coleoptera)

*T. granarium* (Coleoptera)

## HYACINTHUS:

*Frankliniella formosae* (Thysanoptera)

## HYDRANGEA:

*Taeniothrips ericae* (Thysanoptera)

## HYMENAEA:

*Neodycoctes caribaeus* (Coleoptera)

## ILEX:

*Aleurotuberculatus similis* (Homoptera)

## IPOMOEAS:

*Cylas formicarius* (Coleoptera)

*C. formicarius* var. (Coleoptera)

*C. formicarius elegantulus* (Coleoptera)

*C. formicarius formicarius* (Coleoptera)

*Eusceps postfasciatus* (Coleoptera)

*Megacerus alternatus* (Coleoptera)

*Sylepta elevata* (Lepidoptera)

## IRIS:

*Anomala orientalis* (Coleoptera)

*Iridothrips iris* (Thysanoptera)

*Opeas pyrgula* (Mollusca)

## ISOCHILUS:

*Cryphula fasciata* (Hemiptera)

## JASMINUM:

*Archips prounbanus* (?) (Lepidoptera)

*Dialeurodes kirkaldyi* (Homoptera)

*D. vulgaris* (?) (Homoptera)

*Palpita unionalis* (Lepidoptera)

## Hosts and Insects—Continued

## JUGLANS:

*Ectomyelois ceratoniae* (Lepidoptera)

## JUNIPERUS:

*Miccotrogs picirostris* (Coleoptera)*Oligonychus perditus* (Acarina)

## KALANCHOE:

*Plusia chalcites* (Lepidoptera)

## KHAYA:

*Cordylomera spinicornis* (Coleoptera)

## LACTUCA:

*Arion ater* (Mollusca)*Cochlicella ventrosa* (Mollusca)*Dicyphus annulatus* (Hemiptera)*Frankliniella intonsa* (Thysanoptera)*Helix aspersa* (Mollusca)*Lugus rugulipennis* (Hemiptera)*Mamestra brassicae* (Lepidoptera)*Myzus ascalonicus* (Homoptera)*Otala vemiculata* (Mollusca)*Plagiognathus albibasis* (Hemiptera)*Plusia chalcites* (Lepidoptera)*Thrips angusticeps* (Thysanoptera)*Udea ferrugalis* (Lepidoptera)

## LAELIA:

*Puto ulter* (Homoptera)*Tenthecoris confusus* (Homoptera)

## LATHYRUS:

*Bruchus affinis* (Coleoptera)*B. tristis* (Coleoptera)*Frankliniella intonsa* (Thysanoptera)*Helicella pyramidata* (Mollusca)*H. variabilis* (Mollusca)*Taeniothrips atratus* (Thysanoptera)

## LAURUS:

*Chrysomphalus paulistus* (Homoptera)*Trialeurodes lauri* (Homoptera)

## LENS:

*Bruchus lenthis* (Coleoptera)*B. signaticornis* (Coleoptera)

## LEUCAENA:

*Araecerus levipennis* (Coleoptera)

## LICUALA:

*Bradybaena similaris* (Mollusca)

## LILIUM:

*Frankliniella formosae* (Thysanoptera)*Thrips flatus* (Thysanoptera)

## LIPIA:

*Corythaica carinata* (Hemiptera)

## LITCHI:

*Planococcus dorsospinosus* (Homoptera)

## LONCHOCARPUS(?)

*Dinoderus bifoveolatus* (Coleoptera)

## LONICERA:

*Thrips major* (Thysanoptera)

## LYCOPERSICON:

*Ceratitispapillata?* (Diptera)*Dacus cucurbitae* (Diptera)*Epinotia aporema* (Lepidoptera)*Neoleucinodes elegantalis* (Lepidoptera)

## LYCORIS:

*Taeniothrips gracilis* (Thysanoptera)

## MACADAMIA:

*Cryptophlebia illepida* (Lepidoptera)*Morganella longispina* (Homoptera)*Pseudaonidia clavigera* (Homoptera)

## MALUS:

*Anastrepha ludens* (Diptera)*Argyresthia conjugella* (Lepidoptera)*Blastodacna attra* (Lepidoptera)*Carpinus nipponensis* (Lepidoptera)*Ceratitis capitata* (Diptera)

## MALVACEAE:

*Frankliniella intonsa* (Thysanoptera)

## MANGIFERA:

*Anastrepha ludens* (Diptera)*A. mombin praecoptans* (Diptera)*Chrysomphalus personatus* (Homoptera)*Dacus dorsalis* (Diptera)*Pseudaonidia trilobitiformis* (Homoptera)*Pseudischaspis longissima* (Homoptera)*Sternochetus mangiferae* (Coleoptera)*Vinsonia stellifera* (Homoptera)

## MENTHA:

*Aleuroglandulus emmae* (Homoptera)*Bradybaena similaris* (Mollusca)*Cochlicella ventrosa* (Mollusca)

## MENTHA—Continued

*Pheidole megacephala* (Hymenoptera)

## MISCANTHUS:

*Trionymus sacchari* (Homoptera)

## MONSTERA:

*Hileithia decostalis* (Lepidoptera)

## MUCUNA:

*Neodycoetes hubbardi* (Coleoptera)

## MUSA:

*Cephaloleia pretiosa* (Coleoptera)*Cosmopolites sordidus* (Coleoptera)*Metamasius hemipterus sericeus* (Coleoptera)*Opogona sacchari* (Lepidoptera)*Polytus mellerborgii* (Coleoptera)*Porphyrobaphe iostoma* (Mollusca)*Solaropsis monile* (Mollusca)

## NARCISSUS:

*Steneotarsonemus laticeps* (Acarina)*Thrips flavus* (Thysanoptera)

## NECTANDRA:

*Platypus rugulosus* (Coleoptera)

## NEPHELIUM:

*Selenothrips rubrocinctus* (Thysanoptera)

## NERIUM:

*Haplothrips gowdeyi* (Thysanoptera)*Pheidole megacephala* (Hymenoptera)

## OLEA:

*Aleurlobus olivinus* (Homoptera)*Dacus oleae* (Diptera)*Phloeotribus scarabaeoides* (Coleoptera)*Prays ocellata* (Lepidoptera)

## ONCIDIUM:

*Puto ulter* (Homoptera)*Vinsonia stellifera* (Homoptera)

## OPERCULINA:

*Sybra alternans* (Coleoptera)*Taeniothrips hawaiiensis* (Thysanoptera)

## OPUNTIA:

*Ceratitispapillata* (Diptera)

## ORCHID:

*Anechura varia* (Dermaptera)*Asterolecanium epidendri* (Homoptera)*Bradybaena similaris* (Mollusca)*Cligenes delineata* (Hemiptera)*Conoderus exsul* (Coleoptera)*Cryphula apatica* (Hemiptera)*Deloyala guttata bohemani* (Coleoptera)*Dendrocoris variegatus* (Hemiptera)*Diabrotica lepida* (Coleoptera)*Epilachna borealis* var. (Coleoptera)*Exochomera formosa* (Hemiptera)*Homoeagamia mexicana* (Orthoptera)*Iridomyrmex pilifer* (Hymenoptera)*Lamellazis micra* (Mollusca)*Monomorium destructor* (Hymenoptera)*Neobaphophora inopinata* (Dermaptera)*Opeas pumila* (Mollusca)*Ophraea maculicollis* (Coleoptera)*Oxydema fusiforme* (Coleoptera)*Pheidole megacephala* (Hymenoptera)*Phelypera distigma* (Coleoptera)*Phenacaspis dendrobi* (Homoptera)*Plagioderes congesta* (Coleoptera)*Plusia chalcites* (Lepidoptera)*Prosopodonta balyi* (Coleoptera)*Puto ulter* (Homoptera)*Rumina decollata* (Mollusca)*Subulina octona* (Mollusca)*Tenthecoris angustimarginatus* (Hemiptera)*T. balloui* (Hemiptera)*T. bicolor* (Hemiptera)*T. confusus* (Hemiptera)*T. restitus* (Hemiptera)*Trochuda rasa* (Lepidoptera)*Tropidacris latreillei* (Orthoptera)*Veronica moreletii* (?) (Mollusca)*Vilga dissimilis* (Hemiptera)*Vinsonia stellifera* (Homoptera)*Xyleborus testaceus* (Coleoptera)

## ORNITHOGALUM:

*Epichorista ionephela* (Lepidoptera)*Frankliniella schultzei* (Thysanoptera)*Haplothrips gowdeyi* (Thysanoptera)*H. nigricornis* (Thysanoptera)

## ORYZA:

*Chilo suppressalis* (Lepidoptera)

## Hosts and Insects—Continued

## ORYZA—Continued

- Frankliniella tenuicornis* (Thysanoptera)  
*Trogoderma granarium* (Coleoptera)  
*T. ornatum* (Coleoptera)  
*T. parabile* (Coleoptera)

## PALM:

- Aonidiella inornata* (Homoptera)  
*Brevipalpus obovatus* (Acarina)  
*Coccophyes pygmaeus* (Coleoptera)

## PAPAVER:

- Trogoderma granarium* (Coleoptera)

## PASSIFLORA:

- Ceratitis capitata*(?) (Diptera)  
*Dacus dorsalis*(?) (Diptera)

## PELARGONIUM:

- Cochlicella ventrosa* (Mollusca)

## PELEA:

- Prays fulvocanellus* (Lepidoptera)

## PERSEA:

- Conotrachelus aguacatae* (Coleoptera)  
*C. perseae* (Coleoptera)  
*Dacus dorsalis* (Diptera)  
*Heilipus lauri* (Coleoptera)

- Stenoma catenifer* (Lepidoptera)

## PETROSELINUM:

- Helicella itala* (Mollusca)

- Selenothrips rubrocinctus* (Thysanoptera)

## PHALERIA:

- Ceratitis capitata* (Diptera)

## PHASEOLUS:

- Callosobruchus phaseoli* (Coleoptera)  
*C. subinnotatus* (Coleoptera)  
*Cerotoma ruficornis* (Coleoptera)  
*Dynatopechus calandrus* (Coleoptera)  
*Epinotia aporema* (Lepidoptera)  
*Ereps comynus* (Lepidoptera)  
*Laspeyresia dorsana*(?) (Lepidoptera)  
*L. fabivora* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)  
*Pyrausta nubilalis* (Lepidoptera)  
*Trogoderma granarium* (Coleoptera)  
*T. ornatum* (Coleoptera)

## PHILODENDRON:

- Cactophagus validirostris* (Coleoptera)  
*Chrysomphalus paulistus* (Homoptera)

## PHRAGMITES:

- Nipponaclerda bivakoensis* (Homoptera)

## PICEA:

- Laspeyresia strobilella* (Lepidoptera)  
*Megastigmus strobilobius* (Hymenoptera)

## PIECA(?)

- Ernobius abietis* (Coleoptera)

## PINUS:

- Adela ochensheimeriella* (Lepidoptera)  
*Coptotermes crassus* (Isoptera)  
*Epilachna mexicana* (Coleoptera)  
*Hylurgops palliatus* (Coleoptera)  
*Lepidosaphes pini* (Homoptera)  
*Petrava resinalis* (Lepidoptera)  
*Pseudococcus pini* (Homoptera)  
*Taeniothrips atratus* (Thysanoptera)

## PISTACIA:

- Trogoderma glabrum* (Coleoptera)

## PISUM:

- Callosobruchus analis* (Coleoptera)  
*Lempides boeticus* (Lepidoptera)

## PLUMERIA:

- Conotelus mexicanus* (Coleoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)

## POLIANTHES:

- Thrips flavus* (Thysanoptera)

## PRIORIA:

- Platypus rugulosus* (Coleoptera)

## PRUNUS ARMENIACA:

- Ceratitis capitata* (Diptera)

## PRUNUS DOMESTICA:

- Archips prounubanus*(?) (Lepidoptera)  
*Carposina nipponensis* (Lepidoptera)  
*Ceratitis capitata* (Diptera)  
*Geniocremnis chilensis* (Coleoptera)

- Listroderes subcinctus* (Coleoptera)

## PRUNUS PERSICA:

- Anastrepha ludens* (Diptera)  
*Bilissus diplopterus* (Hemiptera)  
*Ceratitis capitata* (Diptera)

## PRUNUS PERSICA—Continued

- Cryptoblabes gnidiella* (Lepidoptera)  
*Hypera nigrirostris* (Coleoptera)  
*Oxyacanthus rufiventris* (Hemiptera)

## PRUNUS PERSICA NECTARINA:

- Conoderus rufangulus* (Coleoptera)  
*Geniocremnis chilensis* (Coleoptera)

## PRUNUS SP. (cherry):

- Rhagoletis cerasi* (Diptera)

## PRUNUS SP.:

- Thrips angusticeps* (Thysanoptera)

## PSIDIUM:

- Anastrepha mombinpraeoptans* (Diptera)  
*A. striata* (Diptera)

- A. suspensa*(?) (Diptera)

- Ceratitis capitata* (Diptera)

- Dacus dorsalis* (Diptera)

- Trialeurodes similis* (Homoptera)

## PTEROSTYLIS:

- Antonina graminis* (Homoptera)

## PUNICA:

- Archips prounubanus*(?) (Lepidoptera)  
*Anastrepha ludens* (Diptera)

- Ceratitis capitata* (Diptera)

- Cryptoblabes gnidiella* (Lepidoptera)

- Ecdomyelois ceratoniae* (Lepidoptera)

- Forficula aetolica* (Dermaptera)

## PYRUS:

- Anastrepha ludens* (Diptera)

- Ceratitis capitata* (Diptera)

- Ecdomyelois ceratoniae* (Lepidoptera)

- Grapholita packardi* (Lepidoptera)

## QUERCUS:

- Circulio elephas* (Coleoptera)

- Laspeyresia splendana* (Lepidoptera)

## RAPHANUS:

- Phytomyza rufipes* (Diptera)

## RHODOENDRON:

- Brevipalpus obovatus* (Acarina)  
*Dialeurodes chittendeni* (Homoptera)

- Pearlus azaleae* (Homoptera)

- Psylla rhododendri* (Homoptera)

- Tetranychus viennensis* (Acarina)

## ROSA:

- Adris sulcata* (Hymenoptera)

- Brevipalpus obovatus* (Acarina)

- Frankliniella formosae* (Thysanoptera)

- F. intonsa* (Thysanoptera)

- Helix aspersa* (Mollusca)

- Lemna melanopa* (Coleoptera)

- Monacha cartharea* (Mollusca)

- Taeniothrips atratus* (Thysanoptera)

- Tetranychus cinnabarinus* (Acarina)

- Thrips flavus* (Thysanoptera)

- T. major* (Thysanoptera)

## ROS MARINUS:

- Chrysolina americana* (Coleoptera)

## RUBUS:

- Helicella caperata* (Mollusca)

## RUMEX:

- Dicyphus stachidis* (Hemiptera)

## SACCHARUM:

- Chilo loftini* (Lepidoptera)

- Opocona sacchari* (Lepidoptera)

- Phiedole megacephala* (Hymenoptera)

- Trionyxus sacchari* (Homoptera)

## SALIX:

- Haplothrips aculeatus* (Thysanoptera)

## SAMANEA:

- Ecdomyelois ceratoniae* (Lepidoptera)

## SCHINUS:

- Conoderus exsul* (Coleoptera)

## SE DUM:

- Helix aspersa* (Mollusca)

## SES BANIA:

- Callosobruchus phaseoli* (Coleoptera)

- Lampides boeticus* (Lepidoptera)

- Maruca testulalis* (Lepidoptera)

- Phiedole megacephala* (Hymenoptera)

## SESUVIUM:

- Taeniothrips hawaiiensis* (Thysanoptera)

## SOIL:

- Agirote obscurus* (Coleoptera)

- Bradybaena similaris* (Mollusca)

- Cecilioides acicula* (Mollusca)

## Hosts and Insects—Continued

## SOIL—Continued

- Gynaikothrips ficorum* (Thysanoptera)  
*Helicella maritima* (Mollusca)  
*H. striata*(?) (Mollusca)  
*Helix pomatia* (Mollusca)  
*Lamellazis gracilis*(?) (Mollusca)  
*L. micro* (Mollusca)  
*Limothrips denticornis* (Thysanoptera)  
*Monomorium destructor* (Hymenoptera)  
*Opeas pyrgula* (Mollusca)  
*Opoona sacchari* (Lepidoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Podagrion fuscicornis* (Coleoptera)  
*Subulina octona* (Mollusca)  
*Taeniothrips atratus* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)

## SOLANUM MELÖNGENA:

- Leucinodes orbonalis* (Lepidoptera)  
*Pyrausta nubilalis* (Lepidoptera)

## SOLANUM TUBEROSUM:

- Agriotes lineatus* (Coleoptera)

## SOLANUM SP.:

- Leucinodes orbonalis* (Lepidoptera)  
*Neoleucinodes elegantulus* (Lepidoptera)

## SORGHUM:

- Pyrausta nubilalis* (Lepidoptera)  
*Sesamia cretica* (Lepidoptera)

- Trogoderma glabrum* (Coleoptera)

## SPONDIAS:

- Anastrepha mombinpraeoptans* (Diptera)  
*Chrysophthalus calurus* (Homoptera)

## STANHOPEA:

- Puto mexicanus* (Homoptera)

## STRONGYLODON:

- Lampides boeticus* (Lepidoptera)

- Maruca testulalis* (Lepidoptera)

## SYRINGA:

- Adoxophyes orana* (Lepidoptera)

## TAGETES:

- Bradybaena similaris* (Mollusca)

## TAMARINDUS:

- Caryedon fuscus* (Coleoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)

## TERMINALIA:

- Anastrepha mombinpraeoptans* (Diptera)

- Dacus dorsalis* (Diptera)

- Trogoderma granarium* (Coleoptera)

## TILLANDSIA:

- Adoretus sinicus* (Coleoptera)

- Puto mexicanus* (Homoptera)

## TRIFOLIUM:

- Bruchidius trifolii* (Coleoptera)

- Cecidoides acicula* (Mollusca)

## TRITICUM:

- Cryptotermes brevis* (Isoptera)

- Haplorthrips tritici* (Thysanoptera)

- Trogoderma glabrum* (Coleoptera)

- T. granarium* (Coleoptera)

## TSUGA:

- Megastigmus tsugaphilus* (Hymenoptera)

## URGINEA:

- Arion ater* (Mollusca)

## VANDA:

- Adoretus sinicus* (Coleoptera)

- Athesapeuta cyperi* (Coleoptera)

- Bradybaena similaris* (Mollusca)

- Conoderus exsul* (Coleoptera)

- Conotelus mexicanus* (Coleoptera)

- Melanoxanthus melanocephalus* (Coleoptera)

- Nyctis terrestris* (Hemiptera)

- Orchidophilus aterrimus* (Coleoptera)

- Pinnaspis orchidarum* (Homoptera)

- Plusiodonta chalcites* (Lepidoptera)

- Siphanta acuta* (Homoptera)

- Sybra alternans* (Coleoptera)

## VERNOMIA:

- Taeniothrips atratus* (Thysanoptera)

## VICIA:

- Bruchus dentipes* (Coleoptera)

- B. tristis* (Coleoptera)

- Trogoderma ornatum* (Coleoptera)

## VIGNA:

- Bruchus guttalis* (Coleoptera)

- Epinotia aporema* (Lepidoptera)

## VIOILA:

- Frankliniella intonsa* (Thysanoptera)

## VITIS:

- Aclerida fraterna* (Hemiptera)

- Aleurolobus taonabae* (Homoptera)

- Brevipalpus chilensis* (Acarina)

- B. obovatus* (Acarina)

- Ceratitis capitata* (Diptera)

- Conoderus rufulangulus* (Coleoptera)

- Leptoglossus chilensis* (Hemiptera)

- Listroderes subcinctus* (Coleoptera)

- Lobesia botrana* (Lepidoptera)

- Naupactus zanthographus* (Coleoptera)

- Phylctinus callosus* (Coleoptera)

## ZAMIA:

- Heterotermes converxinotatus* (Isoptera)

## ZANTHOXYLUM:

- Heterobostrychus brunneus* (Coleoptera)

- Xyloperthella picea* (Coleoptera)

## ZEA:

- Modna bisinuella*(?) (Lepidoptera)

- Pagiocerus florii* (Coleoptera)

- Pyrausta nubilalis* (Lepidoptera)

- Sesamia cretica* (Lepidoptera)

## ZINGIBER:

- Opopanax purpurella* (Lepidoptera)

## ZINNIA:

- Frankliniella intonsa* (Thysanoptera)

- Haplorthrips dianthinus* (Thysanoptera)

- Ozyacarus hyalinipennis* (Hemiptera)

- Thrips flavus* (Thysanoptera)

## Hosts Unknown

## AIRPLANE:

- Acanthoderes circumflexa* (Coleoptera)  
*Adoretus sinicus* (Coleoptera)  
*Aethus indicus* (Hemiptera)  
*Amphimallon majalis* (Coleoptera)  
*Amyna natalis* (Lepidoptera)  
*Anomalia orientalis* (Coleoptera)  
*Arcte coerulea* (Lepidoptera)  
*Catacanthus carrenoi* (Hemiptera)  
*Chalciope hypopasias* (Lepidoptera)  
*Chalepus acuticornis* (Coleoptera)  
*Conoderus pallipes* (Coleoptera)  
*Crambus ligonellus* (Lepidoptera)  
*Creatonotus ganjis* (Lepidoptera)  
*Diaphania itylos* (Lepidoptera)  
*Dicocandria taitensis* (Coleoptera)  
*Euthroela rugiceps* (Coleoptera)  
*Euricania splendida* (Homoptera)  
*Gnaphalocrocis medinalis* (Lepidoptera)  
*Holcostethus vernalis* (Hemiptera)  
*Lamprotonchaea aurea* (Diptera)  
*Lycus brunneus* (Coleoptera)  
*Macroscytus japonensis* (Hemiptera)  
*Megasoma elephas* (Coleoptera)  
*Melanema atequa* (Lepidoptera)  
*Mirperus ferrugineus* (Hemiptera)  
*Nephrotettix bipunctatus* (Homoptera)  
*Nomophila noctuella* (Lepidoptera)  
*Otosema odora* (Lepidoptera)  
*Oxya velox* (Orthoptera)  
*Pachybrachius nigriceps* (Hemiptera)  
*Perkinsiella vitiensis* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Phyrus immunita* (Lepidoptera)  
*Pieris rapae crucivora* (Lepidoptera)  
*Platypus rugulosus* (Coleoptera)  
*Pyrausta rubralis* (Lepidoptera)  
*Schoenobius incertulas* (Lepidoptera)  
*Spadopelta mauritia* (Lepidoptera)  
*S. mauritia acronyctoides* (Lepidoptera)  
*S. pecten?* (Lepidoptera)  
*Stictoptera sublobata* (Lepidoptera)  
*Talurus rugosus* (Coleoptera)  
*Theretra tryoni* (Lepidoptera)  
*Trogoderma ornatum* (Coleoptera)  
*Xylosteira torquata* (Coleoptera)  
*Xylodrips religiosus* (Coleoptera)

## AQUATIC PLANTS:

- Nasutitermes costalis* (Isoptera)  
*Pheidole megacephala* (Hymenoptera)

## AUTOMOBILE:

- Adoretus sinicus* (Coleoptera)  
*Cepaea nemoralis* (Mollusca)  
*Cochlicella barbara* (Mollusca)  
*Dyscinetus laevipunctatus* (Coleoptera)  
*Helicella neglecta* (Mollusca)  
*H. variabilis* (Mollusca)  
*Helix aspersa* (Mollusca)  
*Spodoptera mauritia acronyctoides* (Lepidoptera)  
*Theba pisana* (Mollusca)  
*Trogoderma granarium* (Coleoptera)  
*T. inclusum* (Coleoptera)  
*T. parabile* (Coleoptera)

## BAGGAGE:

- Adoretus sinicus* (Coleoptera)  
*Anacridium aegyptium* (Orthoptera)  
*Ceratitis capitata* (Diptera)  
*Cylas formicarius elegantulus* (Coleoptera)  
*Eusceps post fasciatus* (Coleoptera)  
*Helicella itala* (Mollusca)  
*Helix aperta* (Mollusca)  
*H. aspersa* (Mollusca)  
*Laspeyresia splendana* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)  
*Pyrausta rubralis* (Lepidoptera)  
*Spodoptera mauritia* (Lepidoptera)  
*Sybra alternans* (Coleoptera)

## BAGGING:

- Trogoderma granarium* (Coleoptera)  
*T. parabile* (Coleoptera)

## BARK:

- Nasutitermes corniger* (Isoptera)

## BURLAP:

- Catorama herbarium* (Coleoptera)

## CARGO—GENERAL:

- Edessa rufomarginata* (Hemiptera)

## CARGO—GENERAL—Continued

- Helicella neglecta* (Mollusca)  
*Pieris brassicae* (Lepidoptera)  
*Platycarenus humilis* (Hemiptera)  
*Trogoderma granarium* (Coleoptera)

## CELLULOSE:

- Trogoderma glabrum* (Coleoptera)

## CLOTHING:

- Adoretus sinicus* (Coleoptera)

## CRYPTOTERMS:

- Cryptotermes brevis* (Isoptera)

## CORAL:

- Pheidole megacephala* (Hymenoptera)

## CRATE:

- Copris hispanus* (Coleoptera)

## CUTTINGS—UNIDENTIFIED:

- Pheidole megacephala* (Hymenoptera)

## DEBRIS:

- Otala lactea* (Mollusca)

- Trogoderma granarium* (Coleoptera)

## EXCELSIOR:

- Spondylus buprestoides* (Coleoptera)

## FERN:

- Hygromia hispida* (Mollusca)

## FLowers:

- Adoretus sinicus* (Coleoptera)

- Bergallia signata* (Homoptera)

- Bradybaena similaris* (Mollusca)

- Ceresium unicolor* (Coleoptera)

- Frankliniella formosae* (Thysanoptera)

- F. intonsa* (Thysanoptera)

- F. tritici* (Thysanoptera)

- Haplothrips gaudeyi* (Thysanoptera)

- Helicella caperata* (Mollusca)

- Siphanta acuta* (Homoptera)

- Sybra alternans* (Coleoptera)

- Taeniothrips atratus* (Thysanoptera)

- T. hawaiiensis* (Thysanoptera)

- Theba pisana* (Mollusca)

- Thrips flavus* (Thysanoptera)

- T. major* (Thysanoptera)

- Xiphidiopsis lita* (Orthoptera)

## FOLIAGE:

- Conoderus exsul* (Coleoptera)

## FOOD:

- Monomorium destructor* (Hymenoptera)

## FOREST LITTER:

- Sehirus sordidulus* (Hemiptera)

## FRUIT—UNIDENTIFIED:

- Ceratitis capitata* (Diptera)

## GOAT SKINS:

- Trogoderma granarium* (Coleoptera)

## GRAIN:

- Trogoderma glabrum* (Coleoptera)

- T. inclusum* (Coleoptera)

## HERBARIUM SPECIMENS:

- Conotelus mexicanus* (Coleoptera)

## HERBS:

- Helix aspersa* (Mollusca)

- Lamellaria micra* (Mollusca)

- Monomorium destructor* (Hymenoptera)

- Theba pisana* (Mollusca)

- Trogoderma inclusum* (Coleoptera)

## KARAYA GUM:

- Trogoderma granarium* (Coleoptera)

## LEAF—UNIDENTIFIED:

- Aleuroplatus variegatus* (Homoptera)

- Vinsonia stellifera* (Homoptera)

## LEGUME:

- Lampides boeticus* (Lepidoptera)

- Maruca testulalis* (Lepidoptera)

## LOG:

- Megacyllene spinifera* (Coleoptera)

## MACARONI:

- Trogoderma parabile* (Coleoptera)

## MAIL PARCEL:

- Achaea janata* (Lepidoptera)

- Adoretus sinicus* (Coleoptera)

- Conoderus exsul* (Coleoptera)

- Eusceps post fasciatus* (Coleoptera)

- Lycus brunneus* (Coleoptera)

- Nasutitermes costalis* (Isoptera)

- Oxydorea fusiforme* (Coleoptera)

- Spodoptera mauritia acronyctoides* (Lepidoptera)

- Trogoderma ornatum* (Coleoptera)

## MILITARY CARGO:

- Cochlicella barbara* (Mollusca)

## Hosts Unknown—Continued

## MILITARY CARGO—Continued

- C. ventrosa* (Mollusca)  
*Conoderus azoricus* (Coleoptera)  
*Helicella caperata* (Mollusca)  
*H. cespitum* (Mollusca)  
*H. cretica* (Mollusca)  
*H. derbentina* (Mollusca)  
*H. lornacensis* (?) (Mollusca)  
*H. maritima* (Mollusca)  
*H. neglecta* (Mollusca)  
*H. profuga* (Mollusca)  
*H. variabilis* (Mollusca)  
*H. virgata* (Mollusca)  
*Helix aspersa* (Mollusca)  
*Monacha carithiana* (Mollusca)  
*Otala lactea* (Mollusca)  
*O. vermiculata* (Mollusca)  
*Theba pisana* (Mollusca)  
*Trogoderma ornatum* (Coleoptera)  
*Xeroleuca mograbina* (Mollusca)

## MOLLUSKS:

- Pheidole megacephala* (Hymenoptera)  
*Sitona lineata* (?) (Coleoptera)  
*Theba pisana* (Mollusca)

## MOSS:

- Cassida nebula* (Coleoptera)

## NONE:

- Dicyophorus spumans* (Orthoptera)  
*Helix aspersa* (Mollusca)  
*H. pomatia* (Mollusca)  
*Otala vermiculata* (Mollusca)  
*Theba pisana* (Mollusca)

## PACKING:

- Leucania loreyi* (Lepidoptera)

## PAPER:

- Conoderus bifoveatus* (Coleoptera)

## PLANTS—UNIDENTIFIED:

- Empoasca flavescens* (Homoptera)  
*Frankliniella intonsa* (Thysanoptera)  
*Haplothrips aculeatus* (Thysanoptera)  
*Lugus rugulipennis* (Hemiptera)  
*Rotunda mucidella olivacea* (Lepidoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)

## PLANTS—UNIDENTIFIED—Continued

- T. major* (Thysanoptera)  
*Vinsonia stellifera* (Homoptera)

## PLYWOOD:

- Lycetus brunneus* (Coleoptera)

## QUARTERS:

- Bothynus cuniculus* (Coleoptera)  
*Ceratitidis capitata* (Diptera)  
*Petrusa epilepsis* (Homoptera)  
*Theba pisana* (Mollusca)  
*Trogoderma granarium* (Coleoptera)  
*T. inclusum* (Coleoptera)  
*T. parabile* (Coleoptera)

## RAILWAY CAR:

- Trogoderma glabrum* (Coleoptera)  
*T. parabile*

## ROOTS—UNIDENTIFIED:

- Lycetus africanus* (Coleoptera)

## SEEDLAC:

- Trogoderma granarium* (Coleoptera)

## SEEDS:

- Adoretus sinicus* (Coleoptera)  
*Cochlicella barbara* (Mollusca)  
*Helicella pyramidata* (Mollusca)

## SPHAGNUM MOSS:

- Taeniothrips hawaiiensis* (Thysanoptera)

## STORES:

- Gnorimoschema ocellatella* (Lepidoptera)  
*Nysius clevelandensis* (Hemiptera)  
*Trogoderma granarium* (Coleoptera)  
*T. inclusum* (Coleoptera)  
*T. ornatum* (Coleoptera)  
*T. parabile* (Coleoptera)

## WOOD:

- Callidium rufipenne* (Coleoptera)  
*Heterostrychus aequalis* (Coleoptera)  
*Micrapate labialis* (Coleoptera)  
*Phlegyas annulicrus* (Hemiptera)  
*Sinocylion anale* (Coleoptera)  
*S. conigerum* (Coleoptera)  
*Trogozylon aequale* (Coleoptera)  
*T. prostomoides* (Coleoptera)  
*Xylothrips religiosus* (Coleoptera)

*Countries of Origin and Insects***ALGERIA:**

*Ceratitis capitata*  
*Cochlicella barbara*  
*C. ventrosa*

**AMERICAN SAMOA:**

*Haplothrips gowdeyi*  
*Or ganothrips bianchii*  
*Pheidole megacephala*  
*Xylothrips religiosus*

**ANTIGUA:**

*Cylas formicarius elegantulus*  
*Vinsonia stellifera*

**ARGENTINA:**

*Brevipalpus obovatus*  
*Ceratitis capitata*  
*Epinotia aporema*  
*Megacyllene spinifera*  
*Xyleborus biconicus*

**ASIA (country(?)):**

*Trogoderma granarium*  
**AUSTRALIA:**  
*Lepidosaphes tuberculata*  
*Megastigmus limoni*  
*Nysius clevelandensis*  
*Pinaspis buxi*  
*Plusius chalcites*  
*Pseudoaonidia clarivaga*  
*Sternochetus mangiferae*  
*Taeniothrips hawaiiensis*  
*T. kellyanus*  
*Tetranychus cinnabarinus*  
*Thrips imaginis*

**AUSTRALIA(?):**

*Unaspis yanonensis*

**AUSTRIA:**

*Baris lepidii*  
*Frankliniella intonsa*

**AZORES:**

*Arion ater*  
*Ceratitis capitata*  
*Cochlicella ventrosa*  
*Conoderus azoricus*  
*Haplothrips cottei*  
*Helix aspersa*  
*Oligonycha sacchari*  
*Pieris brassicae*  
*Theba pisana*

**BAHAMAS:**

*Anastrepha mombinpraeoptans*  
*Petrusa epilepsis*  
*Rotruva mucidella olivacea*  
*Trogoderma ornatum*

**BARBADOS:**

*Eusecipes postfasciatus*  
*Fundella pellucens*  
*Lamellaxis micro*  
*Sphenarches caffer*

**BELGIUM:**

*Evergestis forficalis*  
*Frankliniella intonsa*  
*Haplothrips gowdeyi*  
*Manestra brassicae*  
*Phytomyza rufipes*

**BERMUDA:**

*Bradybaena similaris*  
*Cochlicella ventrosa*  
*Diaprepes famelicus* var.  
*Haplothrips gowdeyi*  
*Lamellaxis micro*  
*Opeas pyrgula*  
*Pheidole megacephala*

**BRAZIL:**

*Asterolecanium epidendri*  
*Bradybaena similaris*  
*Ceratitis capitata*  
*Chrysomphalus paullistus*  
*C. personatus*  
*Coccothripes pygmaeus*  
*Cryptotermes brevis*  
*Eusecipes postfasciatus*  
*Leucoplera coffeeella*  
*Mordellistena catleyana*  
*Partitaria cinerea*  
*Pectinophora gossypiella*  
*Pseudoaonidia trilobitiformis*  
*Stephanoderes hampei*

**BRAZIL—Continued**

*Subulina octona*  
**BRITISH GUIANA:**  
*Platypus rugulosus*  
*Pseudococcus halli*  
*Vinsonia stellifera*

**BRITISH HONDURAS:**

*Cercyonota anonella*  
*Coptotermes crassus*  
*Edessa rufomarginata*  
*Lamellaxis micro*  
*Opeas pumila*  
*Vinsonia stellifera*

**BRITISH WEST INDIES:**

*Cerotoma ruficornis*

**BURMA:**

*Trogoderma granarium*  
*Tryphetus incarnatus*

**CANADA:**

*Trogoderma ornatum*  
**CANAL ZONE:**  
*Cryphula fasciata*  
*Tenthecoris confusus*  
*Trogoderma inclusum*  
*Veronicales moreleti (?)*  
*Vilga dissimilis*  
*Vinsonia stellifera*

**CANARY ISLANDS:**

*Laspeyresia splendana*

**CAPE VERDE ISLANDS:**

*Callosobruchus phaseoli*  
*C. subinnotatus*  
*Oligonycha sacchari*

**CENTRAL AMERICA (country(?)):**

*Cligenes delineata*

*Metanema ategua*

**CEYLON:**

*Trogoderma granarium*

**CHILE:**

*Acledra fraterna*  
*Bergallia signata*  
*Brevipalpus chilensis*  
*B. obovatus*  
*Conoderus rufangulus*  
*Geniocremnis chilensis*  
*Leptoglossus chilensis*  
*Listroderes subcinctus*  
*Lygaeus albo-ornatus*  
*Naupactus xanthographus*

**CHINA:**

*Callosobruchus analis*  
*Cylas formicarius formicarius*  
*Lycus africanus*  
*Trogoderma granarium*

**COLOMBIA:**

*Helix aspersa*  
*Iridomyrmex pilifer*  
*Metamasius hemipterus sericeus*  
*Neoleucinodes elegantalis*  
*Platypus rugulosus*  
*Pseudoaonidia trilobitiformis*  
*Stenoma catenifer*  
*Tenthecoris balloui*

**COSTA RICA:**

*Anastrepha mombinpraeoptans*  
*Chrysomphalus albopictus*  
*C. calurus*  
*C. personatus*  
*C. umboiniferus*  
*Heilipus lauri*  
*Leucoplera coffeeella*  
*Pheidole megacephala*  
*Prosopodonta balyi*  
*Solaropsis monile*  
*Tropidacris latreillei*  
*Vinsonia stellifera*

**CUBA:**

*Acanthoderes circumflexa*  
*Aleuroglandulus emiae*  
*Anastrepha mombinpraeoptans*  
*Bradybaena similaris*  
*Cerotoma ruficornis*  
*Corythaica carinata*  
*Cryptoccephalus zermampelinus*  
*Cylas formicarius elegantulus*  
*Dialeurodes citrifolii*

## Countries of Origin and Insects—Continued

CUBA—Continued

- Gynaikothrips ficorum*  
*Lamellaxis mica*  
*Metamasius hemipterus sericeus*  
*Nasutitermes costalis*  
*Neodryocoetes hubardi*  
*Pheidole megacephala*  
*Phyrus immunis*  
*Ribua innoxia*  
*Trionymus sacchari*  
*Vinsonia stellifera*

CURACAO:

- Anastrepha mombinpraeoptans*  
*Cylas formicarius elegantulus*  
*Gymnandrosoma aurantianum*

CYPRUS:

- Aleurolobus olirinus*

- Ceratitis capitata*

CZECHOSLOVAKIA:

- Phagoletis cerasi*

DENMARK:

- Bruchus affinis*

- Frankliniella intonsa*

- Hygromia hispida*

- Lema melanopa*

- Phytomyza rufipes*

- Phagoletis cerasi*

- Smerinthus ocellata*

- Thrips angusticeps*

- T. flavus*

- T. major*

DOMINICAN REPUBLIC:

- Anastrepha mombinpraeoptans*

- Cylas formicarius* var.

- C. formicarius elegantulus*

- Lamellaxis mica*

- Monomorium destructor*

- Pectinophora gossypiella*

ECUADOR:

- Anastrepha mombinpraeoptans*

- Lamellaxis (?)*

- Laspeyresia fabivora*

- Metamasius hemipterus sericeus*

- Pagiocerus fiorii*

- Platycarenus humilis*

- Porphyrobaphe iostoma*

- Solaropsis monile*

- Stenoma catenifer*

- Subulina octona*

EL SALVADOR:

- Anastrepha mombinpraeoptans*

- A. serpentine*

- A. striata*

- Chrysomphalus calurus*

- Dialeurodes citrifolii*

- Lyctus brunneus*

- Stenoma catenifer*

- Vinsonia stellifera*

ENGLAND:

- Aleyrodes proletella*

- Cepaea nemoralis*

- Euleia heraclei*(?)

- Frankliniella intonsa*

- Helix aspersa*

- Iridothrips iridis*

- Laspeyresia strobilella*

- Lema melanopa*

- Lygus rugulipennis*

- Miccotrochus pictostriatus*

- Orthops cervicalis*

- Pealius azaleae*

- Phytomyza rufipes*

- Stenotarsoneurus laticeps*

- Taeniothrips atratus*

- T. dianthi*

- Thrips flavus*

- T. major*

- T. praetermissus*

- Trogoderma granarium*

EUROPE(country(?)):

- Trogoderma granarium*

FEDERATION OF MALAYA:

- Cylas formicarius* var.

FIJI ISLANDS:

- Frankliniella formosae*

- Pachybrachius nigriceps*

FIJI ISLANDS—Continued

- Perkinsiella vitensis*

FORMOSA:

- Catacanthus carreñoi*

- Parlatoria zizyphus*

- Trionymus sachchari*

- Trogoderma granarium*

- Unaspis yanonensis*

FORMOSA(?)

- Oryza veloz*

FRANCE:

- Aceria macrochelus*

- A. macrorhynchus*

- Aculus aceris*

- Amphimallon majalis*

- Apion carduorum*

- Arion ater*

- Bruchus affinis*

- B. guttulus*

- Ceutorhynchus pleurosticta*

- Cochlicella barbara*

- Curculio elephas*

- Energesis forcitalis*

- Evetria tessulatana*(?)

- Frankliniella intonsa*

- F. tritici*

- Gnorimoschema ocellatella*

- Helicella caperata*

- H. maritima*

- H. neglecta*

- H. variabilis*

- Helix aspersa*

- H. pomatia*

- Holcostethus vernalis*

- Laspeyresia splendana*

- Mainestra brassicae*

- Monacha carthysiana*

- Palpit unionalis*

- Pieris brassicae*

- Rhagoletis cerasi*

- Stenoptilia stigmatodactyla*

- Taeniothrips atratus*

- Theba pisana*

- Thrips flavus*

- T. major*

- T. praetermissus*

FRANCE(?)

- Argyresthia conjugella*

FRENCH EQUATORIAL AFRICA:

- Sternocetus mangiferae*

GERMANY:

- Argyresthia conjugella*

- Cecidioidea acicula*

- Ernobiis obietis*

- Frankliniella intonsa*

- Helix pomatia*

- Laspeyresia splendana*

- Lema erichsoni*

- Limothrips denticornis*

- Mamestrá brassicae*

- Megastigmus strobilobius*

- Phytomyza rufipes*

- Rhagoletis cerasi*(?)

- Spondylis buprestoides*

- Taeniothrips atratus*

- T. ericae*

- Thrips flavus*

- T. major*

- Trogoderma granarium*

- T. ornatum*

GERMANY(?)

- Monomorium destructor*

GRAND CAYMAN:

- Vinsonia stellifera*

GREECE:

- Archips prounbanus*(?)

- Bruchus dentipes*

- Cecidioidea acicula*

- Ceratitis capitata*

- Cryptoblabes gnidiella*

- Dacus oleae*

- Ectomyelois ceratoniae*

- Forficula aetolica*

- Helicella cretica*

- H. lornacensis*(?)

- H. maritima*

## Countries of Origin and Insects—Continued

## GREECE—Continued

*H. profuga*  
*H. striata(?)*  
*Kalotermes flavicollis*  
*Otala vermiculata*  
*Theba pisana*

## GUAM:

*Dacus dorsalis*  
*Geotomus pygmaeus*  
*Nephopterix bipunctatus*  
*Sternocetus mangiferae*

## GUATEMALA:

*Aleurothrixus myrtacei*  
*Anastrepha ludens*  
*A. momobia praeoptans*  
*Chalepus omoger*  
*Conotelus mexicanus*  
*Conotrachelus perseae*  
*Cylas formicarius elegantulus*  
*Haplothrips gowdeyi*  
*Pangaeus rugiceps*  
*Puto ulter*  
*Stenoma catenifer*  
*Tenthredos bicolor*  
*T. vestitus*

## HAITI:

*Anastrepha momobia praeoptans*  
*A. suspensa(?)*  
*Anomala orientalis*  
*Cerconota anonella*  
*Cylas formicarius elegantulus*  
*Fundella pellucens*  
*Pheidole megacephala*  
*Sphenarches caffer*

## HAWAII:

*Achaea janata*  
*Adoretus sinicus*  
*Araecerus levipennis*  
*Athesapeuta cyperi*  
*Bemisia giffardi*  
*Bradybaena similaris*  
*Callosobruchus phaseoli*  
*Catorama herbartum*  
*Ceratitidis capitata*  
*Ceresium unicolor*  
*Ceroplastes rubens*  
*Coccus viridis*  
*Conoderus ezsul*  
*Conotelus mexicanus*  
*Cryptophlebia illepida*  
*Cryptotermes brevis*  
*Cylas formicarius elegantulus*  
*Dacus cucurbitae*  
*D. dorsalis*  
*Dialeurodes kirkaldyi*  
*Diocalandra taitensis*  
*Dynatopechus calandrodes*  
*Ectomyelois ceratoniae*  
*Eusceps postfasciatus*  
*Haplothrips gowdeyi*  
*Lamprodes boeticus*  
*Lampronychaea aurea*  
*Lepidosaphes tokionis*  
*Lycus brunneus*  
*Maruca testulalis*  
*Megacerus alternatus*  
*Melanoxanthus melanocephalus*  
*Morganella longispina*  
*Nysius terestrinus*  
*Oopsis nutator*  
*Opogona purpurella*  
*Orchidophilus aterrimus*  
*Otosoma odorata*  
*Oxydema fusiforme*  
*Parlatoria crotonis*  
*P. zizyphus*  
*Pectinophora gossypiella*  
*Pheidole megacephala*  
*Plusia chalcites*  
*Poecilips persicae*  
*Prays fulvocanellus*  
*Pseudonudia clarigera*  
*Pseudococcus palmarum*  
*Selenothrips rubrocinctus*  
*Siphanta acuta*  
*Spodoptera mauritia*

## HAWAII—Continued

*S. mauritia acronyctoides*  
*Sternochetus mangiferae*  
*Sybra alternans*  
*Taeniothrips hawaiiensis*  
*T. vitticornis*  
*Trionymus sacchari*  
*Xiphidiopsis lita*  
*Xyleborus testaceus*

## HAWAII(?)

*Xylothrips religiosus*

## HONDURAS:

*Anastrepha momobia praeoptans*  
*Cryphula apaticus*  
*Porphyrobaphe iostoma*  
*Stenoma catenifer*

## HONG KONG:

*Callosobruchus analis*  
*Carposina nipponensis*  
*Chilo suppressalis*  
*Cylas formicarius*  
*C. formicarius var.*

*C. formicarius formicarius*  
*Dialeurodes kirkaldyi*

*Fiorinia theae*

*Frankliniella formosae*

*Maruca testulalis*

*Parlatoria zizyphus*

*Trogoderma granarium*

*Unaspis yanonensis*

## HUNGARY:

*Ceratitidis capitata*  
*Limothrips denticornis*

*Rhagoletis cerasi*

## INDIA:

*Dialeurodes vulgaris(?)*  
*Heterobosstrichus aequalis*  
*Sinonyx analae*  
*S. conigerum*  
*Sternocetus mangiferae*  
*Trogoderma granarium*  
*T. inclusum*

## INDONESIA:

*Ceratitidis capitata*  
*Leucinodes orbonalis*  
*Phenacaspis dendrobi*  
*Trogoderma granarium*

## IRAN:

*Trogoderma glabrum*  
*T. granarium*

## IRELAND:

*Dicyphus stachydidis*  
*Helicella caperata*  
*Stenotarsonemus laticeps*  
*Taeniothrips atratus*  
*T. ericae*  
*Thrips flavus*

*T. major*

## ISRAEL:

*Anomala orientalis*  
*Ceratitidis capitata*  
*Cryptoblabes gnidiella*  
*Dacus oleae*  
*Ectomyelois ceratoniae*  
*Gnorimoschema ocellatella*  
*Haplothrips gowdeyi*  
*Helix figulina(?)*  
*Hypodorus ficus*  
*Laspeyresia splendana*  
*Phloeotribus scarabaeoides*  
*Taeniothrips atratus*  
*Thrips angusticeps*

## ITALY:

*Acrolepia assectella*  
*Aleurolobus olivinus*  
*Anacridium aegyptium*  
*Apion carduorum*  
*Archips pronubanus(?)*  
*Ardis sulcata*  
*Brachycerus albidentatus*  
*B. algirus*  
*Pruchidius trifolii*  
*Bruchus lentis*  
*B. signaticornis*  
*B. tristis*  
*Cassida sanguinolenta*

*Countries of Origin and Insects—Continued*

## ITALY—Continued

*C. vibex*  
*Cecidoides acicula*  
*Ceratitidis capitata*  
*Ceutorhynchus pleurostigma*  
*Chrysolina americana*  
*Cochlicella barbara*  
*C. ventrose*  
*Cryptoblabes gnidiella*  
*Curculio elephas*  
*C. nucum*  
*Dacus oleae*  
*Dicyphus annulatus*  
*Dyspessa ulula*  
*Ectomyelois ceratoniae*  
*Ephestia calidella*  
*Frankliniella tenuicornis*  
*Helicella conspurcata*  
*H. itala*  
*H. maritima*  
*H. pyramidata*  
*H. variabilis*  
*Helix aperta*  
*H. aspersa*  
*Hemimene juliana*  
*Laspeyresia dorsana* (?)  
*L. splendana*  
*Lobesia botrana*  
*Mamestra brassicae*  
*Otala lactea*  
*O. vermiculata*  
*Parlatoria zizyphus*  
*Phalonia zephryana*  
*Phytomyza rufipes*  
*Pieris brassicae*  
*Prays oleellus*  
*Pyrausta nubilalis*  
*Rhagoletis cerasi*  
*Schirius sexmaculatus*  
*Sesamia cretica*  
*Tetranychus cinnabarinus*  
*Theba pisana*  
*Thrips angusticeps*  
*T. major*  
*Trogoderma inclusum*  
*Udea ferrugalis*

## JAMAICA:

*Anagistes indecora*  
*Anastrepha monbinpraeoptans*  
*Ectomyelois ceratoniae*  
*E. muriscis*  
*Lycetus brunneus*  
*Monomorium destructor*  
*Neodryocoetes caribaeus*  
*Palaeopus costicollis*  
*Pectinophora gossypiella*  
*Pseudococcus neobrevipes*  
*Subulina octona*  
*Vinsonia stellifera*

## JAPAN:

*Acrolepis assectella*  
*Aethus indicus*  
*Aleurocanthus spiniferus*  
*Aleurolobus taonabae*  
*Aleurotuberulus similis*  
*Amyna natalis*  
*Anomala orientalis*  
*Anonidiella inornata*  
*Brevipalpus obovatus*  
*Callidium rufipenne*  
*Carposina nipponensis*  
*Chilo suppressalis*  
*Chrysomphalus bifasciculatus*  
*Coccus pseudomagnoliarum*  
*Cylas formicarius* var.  
*Euseces postfasciatus*  
*Frankliniella formosae*  
*F. tenuicornis*  
*Haplothrips aculeatus*  
*H. gowdeyi*  
*Hylurgops palliatus*  
*Lamprodes boeticus*  
*Lepidosaphes pini*  
*L. tuberculata*  
*Leucania loreyi*  
*Macroscytus japonensis*

## JAPAN—Continued

*Mamestra brassicae*  
*Megastigmus tsugaphilus*  
*Morganella longispina*  
*Nezara antennata*  
*Nipponaclerda biwakoensis*  
*Nomophila noctuella*  
*Oligonychus perditus*  
*Opeas pyrgula*  
*Parlatoria zizyphus*  
*Pieris rapae crucivora*  
*Planococcus dorsopinosus*  
*Pseudaonidius paeoniae*  
*Pseudococcus pini*  
*Pyrausta nubilalis*  
*Selenothrips rubrocinctus*  
*Spodoptera mauritia*  
*S. mauritia acronyctoides*  
*Stictoptera subobliqua*  
*Taeniothrips gracilis*  
*T. hawaiiensis*  
*Thrips flavus*  
*Trogoderma granarium*  
*Unaspis citri*  
*U. yanponensis*

JAPAN (?):  
*Arcte coerula*  
*Diaphania itysalis*  
*Ectomyelois ceratoniae*  
*Pheidole megacephala*

KOREA:  
*Chilo suppressalis*

KUWAIT:  
*Trogoderma granarium*

KWAJALEIN (?):  
*Pyrausta nubilalis*

LEBANON:  
*Ceratitidis capitata*  
*Cryptoblabes gnidiella*  
*Dacus oleae*  
*Dialeurodes kirkaldyi*  
*Ectomyelois ceratoniae*  
*Trogoderma granarium*

LIBERIA:  
*Leucinodes orbonalis*

LIBYA:  
*Helicella cespitum*  
*H. variabilis*  
*Theba pisana*

LUXEMBOURG:  
*Thrips flavus*  
*Trialeurodes lauri*

MEXICO:  
*Aleurocanthus woglumi*  
*Aleurolandulus emmae*  
*Aleuroparadoxus gardeniae*  
*Aleuroplatus variegatus*  
*Alpheia conspirata*  
*Anastrepha ludens*  
*A. mombinpraeoptans*  
*Anechura vara*  
*Anthonomus albolineatus*  
*Aspidiotus palmae*  
*Aulacoscelis melanocera*  
*Batrachedra liraria*  
*Bradybaena similaris*  
*Cactophagus validirostris*  
*Calypcocephala gerstaecheri*  
*C. marginipennis*  
*Capaneus letricus*  
*Chalepus acuticornis*  
*Charidotis seminulum*  
*Chilo loftini*  
*Chrysomphalus personatus*  
*C. sphaerooides*  
*Cligenes delineata*  
*Coelonterus nigrirostris*  
*Conotelus mexicanus*  
*Conotrachelus aquacalae*  
*C. perseae*  
*Ctenochira hectica*  
*C. hieroglyphica*  
*C. plicata*  
*Cylus formicarius elegantulus*  
*Delycola guttata bohemani*  
*Dendrocoris variegatus*

## Countries of Origin and Insects—Continued

## MEXICO—Continued

- Deuterocampa latromaculata*  
*Diabrotica lepida*  
*D. porracea*  
*Diachus auratus*  
*Dialeurodes citrifolii*  
*Dyscinetus laevipunctatus*  
*Ectomyelois muriscis*  
*Epilachna borealis* var.  
*E. mexicana*  
*Epinotia aporema*  
*Everes comyntas*  
*Explochiomera formosa*  
*E. oblonga*  
*Frankliniella williamsi*  
*Gnorimoschema gudmanella*  
*Grapholita packardi*  
*Gynaikothrips ficorum*  
*Helicina zephyrina*  
*Helix aspersa*  
*Heterotermes conezinotatus*  
*Hileithia decostalis*  
*Homoeogamia mexicana*  
*Iridomyrmex iniquus*  
*Lepidosaphes philococcus*  
*Ligyrocoris aurivilliana*  
*Litus lineolaris*  
*Micrapate labialis*  
*Modnia bistinuella(?)*  
*Myelobia serintha*  
*Neoleucinodes elegantulus*  
*Neolobophora inopinata*  
*Ogdoecosta biannularis*  
*O. catenulata*  
*Ophraea maculicollis*  
*Parisoschoenus flavolimbatus*  
*Pectinophora gossypiella*  
*Phelypera distigma*  
*Phlegyas annulicrus*  
*Physonota alutacea*  
*Plagiodesma congesta*  
*Plateocetis symmicta*  
*Puto mexicanus*  
*P. ulter*  
*Rumina decollata*  
*Stenoma catenifer*  
*Subulina octona*  
*Sylepta reginalis*  
*Talponia batesi*  
*Tenthreocoris angustimarginatus*  
*T. bicolor*  
*T. confusus*  
*Trialeurodes similis*  
*T. vitrinellus*  
*Triomyrus sacchari*  
*Trochida raspa*  
*Trogoderma glabrum*  
*T. inclusum*  
*T. ornatum*  
*T. parabile*  
*Troxoxylon aequale*  
*T. prostomoides*
- MIDWAY ISLANDS:  
*Gnaphalocoris medicinalis*
- MOROCCO:  
*Cochlicella barbara*  
*C. ventrosa*  
*Helicella caperata*  
*H. maritima*  
*Metopoplax ditomooides*  
*Otala lactea*  
*O. vermiculata*  
*Sitona lineata(?)*  
*Theba pisana*  
*Trogoderma inclusum*  
*T. ornatum*  
*Xeroleuca mograbina*
- MOROCCO(?)  
*Copris hispanus*
- NETHERLANDS:  
*Acrolepia assectella*  
*Adozophyes orana*  
*Brevipalpus obovatus*  
*Bruchus affinis*  
*Cassida nebulosa*  
*Dialeurodes chittendeni*

## NETHERLANDS—Continued

- Empoasca flarescens*  
*Eriophyes canestrini*  
*Frankliniella intonsa*  
*Haplothrips aculeatus*  
*Hypera postica*  
*Litus rugulipennis*  
*Myzus ascalonicus*  
*Phytomyza rufipes*  
*Steneotarsus nemus laticeps*  
*Taeniothrips atratus*  
*Tenuipalpus puniceus*  
*Tetranychus viennensis*  
*Thrips flavus*  
*T. major*  
*Trogoderma granarium*  
*Unaspis euonymi*
- NETHERLANDS NEW GUINEA:  
*Cosmopolites sordidus*
- NETHERLANDS WEST INDIES:  
*"Turgonia" hartii*
- NEW GUINEA:  
*Cosmopolites sordidus*
- NEW ZEALAND:  
*Lepidosaphes tuberculata*  
*Plusia chalcites*
- NICARAGUA:  
*Anastrepha mombinpraeoptans*  
*A. serpentina*  
*Chrysomphalus calurus*  
*C. personatus*  
*Pseudischaspis longissima*
- NIGERIA:  
*Heterobostrychus brunneus*  
*Trogoderma granarium*  
*Xyloperthelle picea*
- NORTHERN IRELAND:  
*Phytomyza rufipes*
- NORWAY:  
*Argyresthia conjugella*  
*Evergestis forficalis*  
*Frankliniella intonsa*  
*Taeniothrips atratus*  
*T. ericae*
- OKINAWA:  
*Chalciope hypopasia*  
*Phedole megacephala*
- PAKISTAN:  
*Sinzylion analis*  
*Trogoderma granarium*  
*Vinsonia stellifera*
- PANAMA:  
*Acanthoscelides armitagei*  
*Anastrepha mombinpraeoptans*  
*Cecidomyia acicula*  
*Cephaloleia pretiosa*  
*Megasoma elephas*  
*Metamasius hemipterus sericeus*  
*Nasutitermes corniger*  
*Platypus rugulosus*  
*Subulina octona*  
*Vinsonia stellifera*
- PERU:  
*Delphacodes teaiae*  
*Dinoderus bifoveolatus*  
*Pagocerus fiorii*
- PHILIPPINES:  
*Aethus indicus*  
*Carvedon fuscus*  
*Coptotermes castigator*  
*Cylas formicarius*  
*C. formicarius* var.  
*Ectomyelois ceratoniae*  
*Mirperus ferrugineus*  
*Monomorium destructor*  
*Parlatoria zizyphus*  
*Phenacoccus hirsutus*  
*Polytus mellerborgii*  
*Unaspis yanomensis*
- POLAND:  
*Curculio nucum*  
*Frankliniella intonsa*  
*Haplothrips tritici*  
*Taeniothrips atratus*
- PORUGAL:  
*Archips pronubanus(?)*

## Countries of Origin and Insects—Continued

## PORTUGAL—Continued

- Ardis sulcata*  
*Arion ater*  
*Ceratitis capitata*  
*Cochlicella ventrosa*  
*Cryptoblabes gnidiella*  
*Curculio elephas*  
*Ectomyelois ceratoniae*  
*Helicella caperata*  
*H. variabilis*  
*Laspeyresia splendana*  
*Pyrausta nubilalis*  
*Trogoderma granarium*

## PUERTO RICO:

- Anastrepha mombinpraeoptans*  
*A. suspensa(?)*  
*Cerotoma ruficornis*  
*Crambus ligonellus*  
*Diaprepes abbreviatus* var.  
*Eusceps postfasciatus*  
*Maruca testulalis*  
*Metamasius hemipterus hemipterus*  
*Nasutitermes costalis*  
*Pheidole megacephala*

## REPUBLIC OF THE CONGO:

- Callosobruchus phaseoli*  
*Caryedon fuscus*  
*Cryptophlebia leucotreta*

## RUMANIA:

- Podagrion fuscicornis*  
**SCOTLAND:**  
*Fieberiopsis flaveolus(?)*  
*Gelechia ericetella*  
*Micrelus ericae*  
*Orthotylus ericerorum*  
*Taeniothrips atratus*  
*T. ericae*  
*Thrips flavus*  
*T. major*

## SINGAPORE:

- Antonina graminis*  
*Cylas formicarius* var.  
*Parlatoria zizyphus*  
*Pinnaspis orchidarum*  
*Trogoderma granarium*

## SOUTH PACIFIC:

- Spodoptera mauritia acronyctoides*

## SPAIN:

- Agriotes lineatus*  
*Arion ater*  
*Brachycerus algirus*  
*Ceratitis capitata*  
*Cochlicella barbara*  
*Cryptoblabes gnidiella*  
*Curculio elephas*  
*Dyspessa ulula*  
*Helicella striata(?)*  
*H. virgata*  
*Helix aspersa*  
*Laspeyresia splendana*  
*Parlatoria zizyphus*  
*Pieris brassicae*  
*Pseudococcus citricus*  
*Theba pisana*  
*Thrips angusticeps*

## SUDAN:

- Trogoderma granarium*

## SURINAM:

- Vinsonia stellifera*

## SWEDEN:

- Argyresthia conjugella*  
*Frankliniella intonsa*  
*Phytomyza rufipes*  
*Taeniothrips atratus*  
**SWITZERLAND:**  
*Adela ochsenheimeriella*  
*Laspeyresia strobilella*  
*Psylla rhododendri*  
*Ripariella cacticans*  
*Stenopilia stigmatodactyla*  
*Taeniothrips atratus*

## TAHITI:

- Morganella longispina*  
*Parlatoria zizyphus*  
*Selenothrips rubrocinctus*

## THAILAND:

- Cylas formicarius* var.  
*Phyllocoptes citrella(?)*

## TRINIDAD:

- Dercynus micromyz*  
*Eusceps postfasciatus*

- Sylepta elevata*

- Vinsonia stellifera*

## TUNISIA:

- Ceratitis capitata*

## TURKEY:

- Blastodacna atra*  
*Cecilioides acicula*

- Ceratitis capitata*

- Helicella derbentina*

- H. variabilis*

## UNION OF SOUTH AFRICA:

- Blissus diplopterus*  
*Ceratitis capitata*

- Cordylomera spinicornis*

- Cryptophlebia leucotreta*

- Dictyophorus spumans*

- Epichorista ionephela*

- Frankliniella schultzei*

- Haplothrips gowdeyi*

- H. nigricornis*

- Opogona sacchari*

- Ozycarenus rufiventris*

- Phlyctinus callosus*

- Trogoderma granarium*

## UNION OF SOCIALIST REPUBLICS:

- Agriotes obscurus*

- Petrova resinella*

## UNITED ARAB REPUBLIC:

- Ceratitis capitata*

- Dacus oleae*

- Gnorimoschema ocellatella*

- Hellula undalis*

- Lobesia botrana*

- Trogoderma granarium*

## UNKNOWN:

- Amphimallon majalis*

- Anastrepha ludens*

- Argyresthia conjugella*

- Bothynus cuniculus*

- Ceratitis capitata*

- Chilo suppressalis*

- Conoderus bifoveatus*

- C. pallipes*

- Creatonotos ganjis*

- Diocalandra taitensis*

- Eutheola rugiceps*

- Euricania splendida*

- Frankliniella intonsa*

- Haplothrips dianthinus*

- Hypera nigrirostris*

- Limothrips denticornis*

- Ilyctus brunneus*

- Myzus ascalonicus*

- Ozycarenus hyalinipennis*

- Parlatoria cinerea*

- P. zizyphus*

- Plagiognathus albipennis*

- Rhagoletis cerasi*

- Spodoptera pecten(?)*

- Sternochetus mangiferae*

- Taeniothrips atratus*

- Tetranychus cinnabarinus*

- Theba pisana*

- Thrips angusticeps*

- T. flavus*

- T. major*

- Trogoderma granarium*

- T. inclusum*

- T. ornatum*

- T. parabile*

- Unaspis citri*

- Xylomeira torquata*

## VENEZUELA:

- Rephraata maculicollis*

- Stenoma catenifer*

- Subulina octona*

- Talurus rugosus*

*Countries of Origin and Insects—Continued*

## VIETNAM:

*Heterobostrychus aequalis*  
*Monomorium destructor*

## WAKE ISLAND(?):

*Conoderus pallipes*  
*Nomophila noctuella*  
*Pachybrachius nigriceps*  
*Pyrausta nubilalis*

## WEST PACIFIC:

*Aethus indicus*

## WEST PACIFIC—Continued

*Frankliniella formosae*  
*Pyrausta nubilalis*  
*Schoenobius incertulas*  
*Taeniothrips hawaiiensis*  
*Theretra tryoni*

## YUGOSLAVIA:

*Euris lepidii*  
*Hypoborus ficus*  
*Laspeyresia splendana*

Pests Collected and Reported From July 1, 1959, Through June 30, 1960

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Non-entry	Propaga-tion	
<i>Alternaria celosiae</i> (Tassi) Savulescu: <i>Celosia argentea</i> (feather cockscomb)	Mexico	1			Tex.
† <i>Alternaria cucumerina</i> (Ell. & Ev.) J. A. Elliott: <i>Cucurbita</i> sp.	Union of South Africa		1		Tex.
† <i>Alternaria dianthi</i> F. L. Stevens & J. G. Hall: <i>Dianthus caryophyllus</i> (carnation) leaf	Argentina	1			N.Y.
† <i>Alternaria zinniae</i> Pape: <i>Zinnia elegans</i> (common zinnia) seed	England, Germany			2	N.J.
Anguina tritici (Steinbuch) Filip.: <i>Triticum monococcum</i> (wild einkorn) seed	Italy(?)	1			N.J.
‡ <i>Aphelenchoidea blastophorina</i> Franklin: <i>Convallaria majalis</i> (lily-of-the-valley)	England			1	N.Y.
<i>Aphelenchoidea fragariae</i> (Ritzema Bos) Christie: <i>Elettaria hyacinthina</i> (orchid) stem	Japan			1	N.J.
‡ <i>Aphosa rhynchosiae</i> (Kalmb. & Cke.) Th. & Syd.: <i>Fumaria</i> sp. (herbarium specimen)	Canada	1			N.J.
‡ <i>Asochya conorum</i> P. Henn.: <i>Picea</i> sp. (spruce) cone scale	France			1	N.Y.
‡ <i>Asochya fabae</i> Speg.: <i>Vicia faba</i> (broadbean) seed	Italy			2	N.Y.
‡ <i>Asterina pulchella</i> Petr.: <i>Polygonatum jamaicense</i> (leaf)	Jamaica	1			Mass.
‡ <i>Atchia glomerulosa</i> (Ach.) Stein: <i>Abies</i> sp. (fir) stem	Germany	1			Oreg.
‡ <i>Camarosporium citri</i> McAlp.: <i>Citrus limon</i> (lemon)	Australia	1			Hawaii
<i>Cercospora angraci</i> Feuill. & Roum.: <i>Stanhopea</i> sp. (orchid) leaf	Ecuador			1	N.Y.
<i>Cercospora brachiatella</i> Ell. & Ev.: <i>Phaseolus vulgaris</i> var. (string bean) pod	Puerto Rico	1			Ill.
<i>Cercospora cypricola</i> Ell. & Dearn.: <i>Lycaste</i> sp. (orchid) leaf	Mexico			1	Tex.
<i>Cercospora kaki</i> Ell. & Ev.: <i>Diospyros kaki</i> (kaki persimmon)	Japan		1		Calif.*
‡ <i>Cercospora purpurea</i> Cke.: <i>Persea americana</i> (avocado)	Guatemala		1		Tex.
‡ <i>Cercospora liliicola</i> (Richon) Sacc.: <i>Lapageria rosea</i> (red chilebells) leaf	Chile		1		Fla.
<i>Chrysomyza ledi</i> d By. var. <i>rhododendri</i> (d By.) Sayville: <i>Rhododendron ferrugineum</i> (rock rhododendron) leaf	†Italy, Switzerland	12			N.J.
<i>R. glaucum</i> (spiceleaf rhododendron) leaf	Canada			1	Wash.
<i>R. hirsutum</i> (garland rhododendron) leaf	Italy, Switzerland	3			N.J.
<i>R. uniformis</i> (leaf)	Canada			1	Wash.
<i>Rhododendron</i> sp. (leaf)	Austria, Switzerland, †Yugoslavia	9			Ill., Mass., N.Y.
‡ <i>Cladosporium epiphyllum</i> (Pers.) Mart. var. <i>acerinum</i> Sacc.: <i>Acer platanoides</i> (Norway maple) seed	Union of Soviet Socialist Republics		1		D.C.
† <i>Coleosporium asterum</i> (Diet.) Syd.: <i>Callistephus chinensis</i> (China aster)	Cuba	1			Fla.
† <i>Coniothecium citri</i> McAlp.: <i>Citrus paradisi</i> (grapefruit)	Union of South Africa		1		Tex.
† <i>Coniothecium scabrum</i> McAlp.: <i>Citrus limon</i> (lemon)	Portugal		1		Fla.
<i>C. reticulata</i> (Mandarin orange)	Japan		1		Fla.
† <i>Coniothyridia agaves</i> (Dur. & Mont.) Petr. & Syd.: <i>Agave victoriae-reginae</i>	Mexico			1	Tex.
† <i>Coniothyrium aucubae</i> Sacc.: <i>Aucuba japonica</i> (leaf)	Belgium			1	N.J.
† <i>Coniothyrium insitivum</i> Sacc.: <i>Prunus persica</i> (peach)	Mexico	1			Tex.
† <i>Coryneum triseptatum</i> Pk.: <i>Rhododendron yakushimanum</i>	Japan			1	Hawaii
<i>Cryptospora longispora</i> Servazy.: <i>Araucaria excelsa</i> (Norfolk-Island-pine) seed	New Zealand, Norfolk Island			13	Calif., * N.J.
<i>Cumminsiella mirabilissima</i> (Pk.) Nannf.: <i>Mahonia aquifolium juglandifolia</i> 'Vicar'	Netherlands			1	D.C.

See footnotes at end of table.

## LIST OF INTERCEPTED PLANT PESTS, 1960

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Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonenem-y	Propaga-tion	
† <i>Curvularia geniculata</i> (Tracy & Earle) Boed.: <i>Oryza sativa</i> (rice) glumes	Brazil	1			Fla.
<i>Cylindrosporium camelliae</i> Gz. Frag.: <i>Camellia japonica</i> (common camellia)	Japan			1	Calif.*
† <i>Cytospora intermedia</i> Sacc.: <i>Quercus palustris</i> (pin oak) seed	Italy			1	N.J.
† <i>Cytospora palmicola</i> Berk & Curt.: <i>Cocos nucifera</i> (coconut) husk	Cuba, Guam	1		1	Fla., Hawaii.
† <i>Dasturella divina</i> (Syd.) Mund. & Keshw.: <i>Sasa palmata</i> (bamboo) leaf	Formosa	1			Oreg.
<i>Dendrophoma obscurans</i> (Ell. & Ev.) H. W. Anderson: <i>Fragaria</i> sp. (strawberry) leaf	Germany			1	N.Y.
<i>Diaporthes</i> Nits.: <i>Araucaria excelsa</i> (Norfolk-Island-pine) seed	Norfolk Island			1	N.Y.
<i>Corylus avellana</i> 'Curly'	Netherlands			1	N.Y.
<i>Cotinus coggygria</i> 'Rubrifolia'	do			1	N.Y.
<i>Diplodia epicocos</i> Cke.: <i>Cocos nucifera</i> (coconut) husk	†Bahamas, Guam	5			Fla., Hawaii.
† <i>Diplodia henriquesiana</i> Trav. & Spessa: Orchid (stem)	Burma			1	N.Y.
<i>Diptodina eurhododendri</i> Voss: <i>Rhododendron laetevirens</i> (Wilson rhododendron) leaf	Netherlands			1	N.J.
<i>R. racemosum</i> (Mayflower rhododendron) leaf and bud	do			1	N.Y.
<i>Ditylenchus destructor</i> Thorne: <i>Dahlia</i> 'Fairy Glen', 'Flora', 'Frolic', 'Lady Jester', 'Match', 'Smiler', 'Sun Rocket', and 'White Gold' (roots).	Union of South Africa			5	N.J.
<i>Dahlia</i> hybrids (roots)	†Switzerland			1	N.J.
<i>Tigridia</i> sp. (bulbs)	Germany			1	N.J.
<i>Ditylenchus dipsaci</i> (Kühn) Filip.: <i>Allium cepa</i> (onion)	Netherlands			1	N.J.
<i>A. sativum</i> (garlic)	Mexico	3			Ariz., Tex.
<i>Narcissus</i> 'Lemon Doric'	England			1	N.J.
<i>Narcissus</i> sp.	do			1	N.J.
† <i>Dothiorella pericarpica</i> Sacc.: <i>Macrozamia denisonii</i> (cycad) seed	Australia			1	Calif.*
† <i>Echidnides bromeliacearum</i> (Rehm) Th. & Syd. var. <i>stellulata</i> (Rehm) F. L. Stevens: Bromeliad (leaf)	Costa Rica			1	Fla.
† <i>Echidnides dendrochilii</i> (Lév.) Th.: <i>Odontoglossum bictonense</i> (orchid)	Mexico			1	Tex.
<i>Elsinoe australis</i> Bitanc. & Jenkins: <i>Citrus aurantiifolia</i> (lime)	Brazil	3			Calif.*
<i>C. limon</i> (lemon)	Argentina, Brazil	19			Calif.,* Fla., N.Y., Pa., Tex.
<i>C. reticulata</i> (Mandarin orange)	Argentina, Brazil, unknown	3	21		Fla., N.Y.
<i>C. sinensis</i> (sweet orange)	Argentina, Brazil, unknown, Uruguay	4	48		Calif.,* Fla., Md., Mass., N.Y., Pa., Tex.
<i>Elsinoe mangiferae</i> Bitanc. & Jenkins: <i>Mangifera indica</i> (mango)	Brazil, Mexico	2			N.Y., Tex.
† <i>Elsinoe piri</i> Jenkins: <i>Malus sylvestris</i> (apple)	Germany		1		Fla.
† <i>Entomosporium maculatum</i> Lév.: <i>Cydonia oblonga</i> (quince)	Guatemala	2			Calif.,* Fla.
<i>Fusarium oxysporum</i> Schlecht.: <i>Platycodon</i> sp. (root)	Japan			1	N.J.
† <i>Fusarium oxysporum</i> Schlecht. f. <i>phaseoli</i> Kendrick & Snyder: <i>Phaseolus vulgaris</i> (bean) pods and seeds	Netherlands	1			Mich.
<i>Fusicoccum galericulatum</i> (Tul.) Sacc.: <i>Fagus sylvatica</i> (European beech) stem	do			2	N.J., N.Y.
† <i>Gotholdsteiniera goodeyi</i> (Loof & Oostenbrink Andrassy: Soil with various plants	Canada			1	Mass.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
"Greasy spot": <i>Citrus sinensis</i> (sweet orange) leaf.....	Mexico.....	1			Ariz.
<i>Gymnosporangium haraeanaum</i> Syd.: <i>Juniperus chinensis</i> (pyramid Chinese juniper) dwarf tree. <i>J. chinensis</i> var. <i>sargentii</i> .....	Japan..... do.....		4 1		Calif.,* Hawaii, Hawaii.
<i>Pyrus</i> sp.....	do.....			1	Hawaii.
<i>Gymnosporangium yamadae</i> Miy.: <i>Malus sylvestris</i> (apple).....	do.....		1		Hawaii.
† <i>Haplosporella dracaenorum</i> (Penz. & Sacc.) Petri:.....					
<i>Dracaena</i> sp. (leaf).....	Trinidad.....		1		Fla.
<i>Helicotylenchus nannus</i> Steiner:.....	Mexico, †Portugal.....			7	Fla., Mass., Tex.
Soil with plants ( <i>Begonia</i> sp., <i>cactus</i> , <i>Crocus</i> sp., fern, <i>Mentha</i> sp., <i>Pelargonium</i> sp., and <i>Rosa</i> hybrid). <i>Helminthosporium torulosum</i> (Syd.) Ashby:.....					
<i>Musa paradisiaca</i> (plantain).....	Cuba, †Guatemala.....	3			Fla., La.
<i>Heterodera avenae</i> (Wr.) Filip:.....	England.....	1			Tex.
Soil with automobiles (new Jaguars).....	Ireland.....	1			Mass.
Soil with <i>Brassica oleracea capitata</i> (cabbage).....	England, Germany.....		2		Fla., Tex.
Soil with <i>Solanum tuberosum</i> (potato). <i>Heterodera cacti</i> Filip. & Schuurm. Stek.:.....					
Soil samples.....	Mexico.....	1			Ariz.
Soil with plants ( <i>Begonia</i> sp., <i>cactus</i> , <i>Citrus</i> sp., <i>Coleus</i> sp., <i>Crassulaceae</i> , <i>Mentha spicata</i> , and various potted plants). Soil with railway car.....	Brazil, Germany, Mexico, New Zealand, Switzerland, Mexico.....		21		Ariz., Calif., Mich., N.J., Tex.
<i>Heterodera punctata</i> Thorne:.....	England.....		3		Ariz., Tex.
Soil with automobiles.....	England.....	5			Ala., Fla., Md., Tex.
Soil with plants ( <i>Calluna vulgaris</i> , <i>Ficus elastica</i> , Malvaceae, <i>Philodendron</i> sp., <i>Rosa hybrida</i> , and unidentified plants). <i>Heterodera rostochiensis</i> Wr.:.....	Canada, †Czechoslovakia, Mexico, Northern Ireland, Scotland.....		6		Fla., Mass., Mich., Tex.
Soil (vial in purse).....	England.....	1			N.J.
Soil with automobiles (new and used).....	England, Germany.....	5			Ala., Fla., Tex.
Soil with <i>Picea</i> sp. (spruce).....	Germany.....	1			Mass.
Soil with plants (unidentified and <i>Zantedeschia aethiopica</i> ). Soil with stores ( <i>Allium porrum</i> , <i>Apium graveolens</i> , <i>Armoracia rusticana</i> , <i>Beta vulgaris</i> , <i>Solanum tuberosum</i> , and <i>Ullucus tuberosus</i> ). <i>Heteropatella valtellinensis</i> (Trav.) Wr.:.....	Mexico..... Argentina, England, Germany, Peru, Spain.....		2		Calif., Tex.
<i>Dianthus</i> sp.....	Canada.....		1		Wash.
† <i>Heterosporium allii</i> Ell. & G. Mart.: <i>Allium cepa</i> (onion) tops.....	Japan.....	2			Calif.*
<i>A. porrum</i> (leek).....	Guatemala, Japan.....	2			Calif.,* Fla.
<i>Heterosporium ornithogali</i> (Klotzsch) Cke.: <i>Ornithogalum thyrsoides</i> (Cape chinkericee). <i>Hornimiscium pinophyllum</i> (Nees) Lind.: <i>Abies</i> sp. (fir) stem.....	Union of South Africa.....	3			Mass., N.J.
† <i>Karstenula philadelphi</i> Oud.: <i>Phialidellus virginialis</i> "Virginia". † <i>Leptosphaeria coffeigena</i> (Berk. & Cke.) Sacc.: <i>Coffea</i> sp. (coffee) leaf.....	Germany.....	1			Oreg.
† <i>Macrophoma anthurii</i> Trinch.: <i>Anthurium</i> sp. (leaf).....	Netherlands.....		1		Wash.
<i>Macrophoma araucariae</i> De Lac.: <i>Araucaria excelsa</i> (Norfolk-Island-pine) seed.....	Costa Rica.....		1		Fla.
† <i>Macrophoma cocos</i> Pass.: <i>Cocos nucifera</i> (coconut) caps.....	do.....	1			Tex.
<i>Macrophoma oleandri</i> Pass.: <i>Nerium oleander</i> (leaf).....	Trinidad.....			1	Fla.
† <i>Marmor cucumeris</i> Holmes: <i>Daphne cneorum</i> 'White'.....	New Zealand, Norfolk Island.....			12	Calif.*
<i>Marmor rosae</i> Holmes: <i>Rosa</i> hybrid (leaf).....	Costa Rica.....	6			Calif.*
	Bermuda.....	1			Mass.
	England.....			1	N.J.
	†Cuba, Guatemala.....	1	1		Fla.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonestry	Propaga-tion	
<i>Marssonina juglandis</i> (Lib.) Magn.: <i>Juglans regia</i> (Persian walnut) leaf.	Greece	1			N.Y.
<i>Metoliona haplochaeta</i> Syd.: <i>Metrosideros</i> sp. (iron tree)	Hawaii	1			Hawaii.
<i>Meloidogyne arenaria</i> (Neal) Chitwood: <i>Begonia</i> sp. (plant)	Mexico			1	Tex.
<i>Caladium x hortulanum</i> 'Candidum' (tuber)	Guatemala			1	N.J.
<i>Dahlia</i> hybrids (roots)	Japan			2	Calif.,* Wash.
<i>Euonymus alatus</i> (winged euonymus) plants	do			1	Calif.*
<i>Gladiolus</i> hybrid (corms)	do			10	Calif.* Wash.
Plants—unidentified	Mexico			1	Tex.
<i>Zantedeschia</i> sp. (calla lily) bulb	Japan			1	Fla.
<i>Meloidogyne hapla</i> Chitwood: <i>Acanthus perrinii</i> (root)	England			1	N.J.
<i>Callicarpa</i> sp. (beautyberry) root	Netherlands			1	N.Y.
<i>Clematis riticella alba</i> 'Luxurians'	England			1	N.J.
<i>Clematis</i> hybrid (roots)	Netherlands			2	N.J., N.Y.
<i>Dahlia</i> hybrid (roots)	Australia, Japan			2	Calif.,* Wash.
<i>Gladiolus</i> hybrid (corm)	Japan			1	Calif.*
<i>Hepatica</i> sp. (root)	Netherlands			1	N.Y.
<i>Leontopodium alpinum</i> (common edelweiss) root	do			1	N.Y.
<i>Rosa</i> hybrid (roots)	Germany, †Northern Ireland			3	N.J.
<i>Meloidogyne incognita</i> (Kofoid & White) Chitwood: <i>Brassica rapa</i> (turnip)	Mexico	2			Tex.
<i>Gladiolus</i> hybrid (corms)	Japan			10	Calif.*
<i>Polianthes tuberosa</i> (tuberose)	do			2	Calif.*
<i>Meloidogyne incognita acrita</i> Chitwood: <i>Astilbe</i> 'Red Sentinel' (root)	Netherlands			1	N.J.
<i>Coriandrum sativum</i> (coriander) root	†Dominican Republic	1			Fla.
<i>Echeveria</i> sp. (root)	Cuba	1			N.Y.
<i>Euphorbia</i> sp. (root)	Mexico			1	Ariz.
<i>Gladiolus</i> hybrid (corms)	Japan			4	Calif.,* Wash.
<i>Solanum tuberosum</i> (potato)	Brazil			1	Pa.
<i>Thunbergia</i> sp. (clockvine) root	do			1	D.C.
<i>Meloidogyne javanica</i> (Treub.) Chitwood:					
<i>Adenio</i> globosa (plant)	Kenya			1	Calif.*
<i>Colocasia esculenta</i> (dasheen)	Cuba			1	Pa.
<i>Dahlia</i> hybrid (root)	Japan			1	Wash.
<i>Lycopersicon esculentum</i> (tomato) root	†Haiti			1	P.R.
† <i>Micropeltis orchidearum</i> P. Henn.?: <i>Miltonia roezlii</i> (pansyorchid)	Canal Zone			1	Fla.
† <i>Microstoma tonellianum</i> Ferr.?: <i>Prunus serotina</i> (black cherry) pits	Unknown			1	Mich.
<i>Monilia fructigena</i> (Aderh. & Ruhl.) Honey: <i>Malus sylvestris</i> (apple)	Italy, †Norway	2			N.Y.
<i>Prunus domestica</i> (plum)	†Czechoslovakia	1			N.Y.
<i>Mycosphaerella catilliginea</i> Cash & Watson: <i>Sobralia leucantha</i> (orchid) leaf	Canal Zone			1	Fla.
<i>Mycosphaerella fragariae</i> (Tul.) Lind.: <i>Fragaria</i> sp. (strawberry) leaves	Germany			2	Mass.
<i>Mycosphaerella schoenoprasii</i> (Ces. & de N.) Schröet.: <i>Allium cepa</i> (onion)	Belgium, Japan			14	Calif.*
<i>A. cepa solaninum</i> (multiplier onion) leaf	Japan			1	Calif.,*
<i>A. porrum</i> (leek) leaves	do			20	Calif.,* Hawaii.
<i>A. sativum</i> (garlic) bulb and leaf	France, †Mexico	1	1		Calif.*
<i>Neoniosia horrida</i> (Tak.) Padw. & A. Khan: <i>Oryza sativa</i> (rice) grain and hulls	Japan			58	Calif.*
† <i>Papularia sphacelosperma</i> (Lk.) Hoehn.: Bamboo (dried stem)	Bermuda, Switzerland	2			Calif.,* Mass.
† <i>Papularia vinosa</i> (Berk. & Curt.) Mason: Orchid (leaf)	Ecuador			1	Calif.*
† <i>Papulaspora rubida</i> Hotson: <i>Tulipa</i> hybrid (bulb)	Switzerland			1	Ill.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
† <i>Peronospora schachtii</i> Fckl.: <i>Beta vulgaris cicla</i> (Swiss chard)	Japan		1		Calif.*
<i>Phaeoseptoria oryzae</i> Miyake: <i>Oryza sativa</i> (rice)	do		1		Hawaii.
† <i>Phakopsora gossypii</i> (Arth.) Hirat. f.: <i>Gossypium</i> sp. (cotton; leaf)	Bahamas		1		Nassau.
<i>Phoma citricarpa</i> McAlp.: <i>Citrus aurantium</i> (sour orange)	Japan		1		Calif.*
<i>C. grandis</i> (pummelo)	Hong Kong		1		Calif.*
<i>C. ichangensis</i> x <i>C. reticulata</i> (ichardarin)	Japan		1		Calif.*
<i>C. limon</i> (lemon)	Australia, Union of South Africa, unknown.		10		Hawaii, Mich., N.Y., Tex.
<i>C. paradisi</i> (grapefruit)	Australia, Thailand, Union of South Africa		3		Calif.,* Hawaii.
<i>C. reticulata</i> (Mandarin orange) fruit and dried peel.	China, Formosa, Hong Kong, Japan.	14	5		Calif.,* Hawaii, Wash.
<i>C. sinensis</i> (sweet orange) fruit and dried peel	Africa (country(?)), Australia, Brazil, China, Federation of Malaya, Formosa, Hong Kong, Japan, Mozambique, New Zealand, Union of South Africa, unknown.	21	36		Calif.,* Fla., Ga., Hawaii, La., Md., Mass., Mich., N.J. N.Y., Pa., Tex., Va., Wash.
<i>Citrus</i> sp. (fruit and dried peel)	China, Formosa, Hong Kong, Japan, unknown.	14	2		Calif.,* Fla., Hawaii, Mass., Mich., Tex.
<i>Phoma herbarum</i> West.: <i>Erigeron glaucus</i> Forsters Liebling	England			1	N.J.
† <i>Phoma nebulosa</i> (Fr.) Berk.: <i>Pastinaca sativa</i> (parsnip)	Germany		1		Calif.*
<i>Phoma samararum</i> Desm.: <i>Fraxinus excelsior</i> (European ash) seed	Italy			1	N.J.
† <i>Phoma weigeliae</i> Speg.: <i>Weigelia</i> 'Golden Horn' (stem)	England			1	N.J.
<i>Phomopsis cocois</i> Petch.: <i>Cocos nucifera</i> (coconut)	Hawaii, unknown	2			Calif.,* Tex.
<i>Phomopsis palmicola</i> (Wint.) Sacc.: <i>Areca catechu</i> (betel nut) caps	Guam	1			Calif.*
† <i>Phomopsis pterophylla</i> (Fckl.) Died.: <i>Fraxinus excelsior</i> (European ash) seed	Italy			1	N.J.
† <i>Phomopsis velata</i> (Sacc.) Hoehn.: <i>Tilia</i> sp. (scions)	Netherlands			1	N.J.
<i>Phyllachora canafistulae</i> F. L. Stevens & Dalbey: <i>Cassia grandis</i> (pinkshower senna) leaf	Canal Zone			1	Fla.
<i>Phyllachora engleri</i> Speg.: <i>Anthurium</i> sp. (leaf)	Colombia			1	Fla.
<i>Phyllosticta aucubicola</i> Sacc.: <i>Aucuba japonica</i> (leaf)	Belgium			1	N.J.
† <i>Phyllosticta capitulans</i> P. Henn.: Orchid (leaf)	Brazil			1	N.Y.
† <i>Phyllosticta coccotoba</i> Ell. & Ev.: <i>Coccoloba uvifera</i> (seagrape) leaf	Mexico			1	Tex.
† <i>Phyllosticta hedericola</i> Dür. & Mont.: <i>Hedera</i> sp. (ivy) leaf	England(?)		1		N.Y.
† <i>Phyllostictina musarum</i> (Cke.) Petr.: <i>Musa</i> sp.	Japan(?)		1		Hawaii.
† <i>Physalospora wildemaniana</i> Sacc.: <i>Dendrobium</i> sp. (leaf)	Thailand			1	N.Y.
† <i>Pleospora phragmospora</i> (Dur. & Mont.) Ces.: <i>Agave</i> sp.	Mexico			1	Tex.
† <i>Pleospora trichostoma</i> (Fr.) Fckl.: <i>Secale cereale</i> (rye) stem	Turkey		1		Tex.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consignment	Nonentry	Propagation	
† <i>Plowrightia virgultorum</i> (Fr.) Sacc.: <i>Betula</i> sp. (birch) bark.	Finland	1			N.Y.
<i>Pratylenchus penetrans</i> (Cobb) Sher & Allen: <i>Dahlia</i> 'African Jewel', 'Pretoria', 'Rhapsody', and 'Smiler' (roots).	Union of South Africa		2		N.J.
<i>Dahlia</i> 'Arthur Hambley', 'Earlwood', 'Golden Dust', and 'Jan. Whitby' (roots).	Australia		2		N.J.
<i>Dahlia</i> 'Carolina Kernoan' (roots)	Canada		1		N.J.
† <i>Pratylenchus pratensis</i> (de Man) Filip.: <i>Iris kaempferi</i> 'Utamaro' (roots)	Czechoslovakia		1		N.J.
<i>Pseudomonas marginalis</i> (N. A. Brown) F. L. Stevens: <i>Chichorium endivia</i> (endive)	Belgium	1			N.Y.
<i>Pseudomonas tonelliana</i> (Ferr.) Burk.: <i>Nerium oleander</i> (leaf and pod)	†Greece, Mexico	1		1	N.Y., Tex.
<i>Psestis hilarulus</i> de Man: Soil with fern and unidentified plant	Mexico		2		Tex.
† <i>Puccinia antirrhini</i> Diet. & Holw.: <i>Antirrhinum majus</i> (snapdragon) leaf	Ireland	1			Mass.
† <i>Puccinia arachidis</i> Speg.: <i>Arachis hypogaea</i> (peanut leaf)	Brazil		1		D.C.
<i>Puccinia arenariae</i> (Schum.) Wint.: <i>Gypsophila</i> sp. (babysbreath) leaf	Portugal	1			N.Y.
<i>Puccinia baccharidis</i> Diet. & Holw.: <i>Baccharis glutinosa</i> (seepwillow baccharis)	Mexico	1			Ariz.
<i>Puccinia buzi</i> DC.: <i>Buxus sempervirens</i> (boxwood)	France	1			N.J.
† <i>Puccinia cyperi</i> Arth.: <i>Cyperus</i> sp. (?)	Brazil	1			Fla.
† <i>Puccinia gentianae</i> (Strauss) Lk.: <i>Gentiana acaulis</i> (stemless gentian) basal leaf	France	1			N.J.
<i>Puccinia hordei</i> Oth:					
<i>Hordeum vulgare</i> (barley)	Japan		1		Wash.
<i>Puccinia horiana</i> P. Henn.: <i>Chrysanthemum</i> sp.	do	26	9		Calif.,* Hawaii, N.Y., Wash.
<i>Puccinia longicornis</i> Pat. & Har.: <i>Sasa albomarginata</i> (bamboo) leaf	do		1		Calif.*
† <i>Puccinia nakanishikii</i> Diet.: <i>Cymbopogon citratus</i> (lemongrass) leaf	do		1		Calif.*
<i>Puccinia oblecta</i> Pk.: Cyperaceae (stem)	Mexico	1			Tex.
<i>Scirpus tatora</i> (bulrush) stem	do	1			Tex.
<i>Scirpus</i> sp. (stem)	do	1			N.Y.
† <i>Puccinia orchidii</i> Cummins: <i>Oncidium pubes</i> (orchid) leaf	Union of South Africa				
<i>Oncidium</i> sp. (leaf)	Brazil		1		Calif.*
† <i>Puccinia poae-nemoralis</i> Ott:	Ecuador		1		Calif.*
<i>Phleum</i> sp. (timothy grass) leaf and stem	Japan		1		Calif.*
† <i>Puccinia prae-gracilis</i> Arth. var. <i>prae-gracilis</i> Savile: <i>Habenaria leucostachys</i> (milkwhite habenaria)	Alaska		1		Wash.
<i>Habenaria</i> sp.	do		1		Wash.
† <i>Puccinia schiedonnardi</i> Kell. & Swing.: <i>Gossypium</i> sp. (cotton; boll)	Bermuda	1			N.Y.
<i>Puccinia striiformis</i> West.: <i>Secale cereale</i> (rye) stem	Germany	1			Wash.
<i>Triticum aestivum</i> (wheat)	Iran, †Union of Soviet Socialist Republics.	2			Calif.,* N.Y.
† <i>Puccinia violae</i> (Schum.) DC.: <i>Viola</i> sp. (violet) leaf	Italy	1			N.Y.
† <i>Pucciniastrum arcticum</i> Tranz.: <i>Rubus chamaemorus</i> (cloudberry) leaf	Norway		1		N.Y.
<i>Pyrenopeziza oryzae</i> Shirai: <i>Oryza sativa</i> (rice) leaf and stem	Japan		1		Calif.*
† <i>Pyrenophora graminea</i> Ito & Kuribay: <i>Triticum</i> sp. (wheat) leaf	do		1		Calif.*
† <i>Sclerotinia candolleana</i> (Lev.) Fckl.: <i>Quercus</i> sp. (oak) leaf	England		1		Ill.

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Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonen-tity	Propaga-tion	
<i>Sclerotiopsis concava</i> (Desm.) Shear & Dodge: <i>Paeonia</i> sp. (peony) stem	Netherlands		1		N.Y.
† <i>Scolecopeltidium bakeri</i> F. L. Stevens & Manter: <i>Miltonia roezlii</i> (pansyorchid)	Canal Zone		1		Calif.*
<i>Oncidium ornithorhynchum</i> (orchid) leaf	Mexico		1		Tex.
Orchid (leaf)	do		1		Tex.
<i>Scutellonema brachyurum</i> (Steiner) Andrassy: Soil with cactus and unidentified plants	Mexico		2		Tex.
† <i>Selenophoma donacis</i> (Pass.) Sprague & A. G. Johnson: <i>Scale cerealis</i> (rye) glume	Spain	1			Calif.*
<i>Septoria azaleae</i> Vogl.: <i>Rhododendron indicum</i> (indica azalea)	Belgium		1		N.Y.
<i>Rhododendron</i> sp. (azalea) leaf	Netherlands		1		N.Y.
<i>Septoria citri</i> Pass.: <i>Citrus limon</i> (lemon)	Mexico		9		Calif.,* La., Tex.
<i>C. reticulatum</i> (Mandarin orange)	Spain		1		Calif.*
<i>C. sinensis</i> (sweet orange)	Italy		1		Fla.
<i>Septoria leucanthemi</i> Sacc. & Speg.: <i>Chrysanthemum</i> sp.	Italy, Japan		5		Calif.*
<i>Septoria nodorum</i> Berk.: <i>Triticum aestivum</i> (wheat)	Japan	1			Hawaii.
<i>Septoria oryzae</i> Catt.: <i>Oryza sativa</i> (rice) hull, leaf, seed, and stem	Italy	1			Ohio.
† <i>Septoria rhipidopora</i> Mass.: <i>Gentiana</i> sp. (gentian) leaf	Japan	6	29		Calif.*
<i>Septoria selenophomoides</i> Cash & Watson: <i>Cattleya guttata</i> (orchid) leaf	Switzerland	1			Calif.*
<i>C. guttata</i> var. <i>prinzii</i> (leaf)	Brazil		1		N.J.
<i>Dendrobium</i> sp. (orchid) leaf	do		1		N.J.
<i>Epidendrum</i> sp. (orchid) leaf	Australia		1		Calif.*
<i>Odontoglossum</i> sp. (orchid) leaf	Costa Rica		1		Calif.*
<i>Oncidium</i> sp. (orchid) leaf	Mexico		1		Tex.
Orchid (leaf)	do		1		Tex.
Costa Rica, Guatemala, India, Mexico	Costa Rica, Guatemala		5		Calif.,* Tex.
† <i>Speira cymbidii</i> Verpl.: <i>Oncidium</i> sp. (orchid) pseudobulb	Guatemala		1		Tex.
<i>Sphaeloma fructicetum</i> Bitanc. & Jenkins var. <i>scabiosae</i> (McAlp. & Tryon) Jenkins:	Australia, New Zealand	1	13		Hawaii.
<i>Citrus limon</i> (lemon)	Australia		1		Hawaii.
<i>C. sinensis</i> (sweet orange)	Mexico	6			Ariz., Tex.
<i>Sphaeloma punicea</i> Bitanc. & Jenkins: <i>Punica granatum</i> (pomegranate)	British Guiana	1			Fla.
† <i>Sphaeloma spondioides</i> Bitanc. & Jenkins: <i>Spondias cyathaea</i> (vi-apple)	Hawaii	1			Hawaii.
† <i>Sphaerella gardeniae</i> Cke. (?): <i>Gardenia augusta</i>	Bahamas, Cuba		3		Fla.
<i>Sphenospora kevorkianii</i> Linder: <i>Epidendrum</i> sp. (orchid) leaf	Panama		1		Fla.
<i>Huntleya burttii</i> (orchid) leaf	Ecuador		1		Calif.*
<i>Sphenospora mera</i> Cummins: Orchid (leaf)	Italy		1		N.J.
‡ <i>Stemphyllium sarcinaeforme</i> (Cav.) Wiltsh.: <i>Crocus biflorus</i> (Scotch crocus) corms	Japan		1		Hawaii.
‡ <i>Stomiopeltis citri</i> Bitanc.:	Mexico	1			Tex.
<i>Citrus reticulata</i> (Mandarin orange)	Japan		1		Hawaii.
‡ <i>Tranzschelia discolor</i> (Fckl.) Tranz. & Litv.: <i>Prunus persica</i> (peach)	Mexico		1		Calif.,* Calif., Tex.
<i>Trematosphaerella oryzae</i> (Miyake) Padw.: <i>Oryza sativa</i> (rice) leaf and stem	Japan	1	1		Calif., Calif., Tex.
<i>Tylenchorhynchus capitatus</i> M. W. Allen: Soil with unidentified plants	Jamaica, Mexico		3		Fla., Tex.
<i>Uredo behnckiana</i> P. Henn.: <i>Epidendrum fragrans</i> (orchid) leaf	Nicaragua		2		Fla.
<i>E. mariae</i> (leaf)	Mexico	1			Calif.*
<i>E. pachycarpum</i> (leaf)	Canal Zone		1		Fla.
<i>Oncidium gardneri</i> (orchid) leaf	Brazil		1		Calif.*
<i>O. micropogon</i> (leaf)	do		1		Fla.
<i>O. varicosum</i> var. <i>rogersii</i> (leaf)	do		1		Fla.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1959, Through June 30, 1960—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consign ment	Nonentit y	Propaga tion	
<i>Uredo epidendri</i> P. Henn.: <i>Epidendrum ybaguense</i> (orchid) leaf.	Brazil			1	Fla.
<i>Epidendrum</i> sp. (leaf)	Canal Zone, Costa Rica			2	Fla.
<i>Oncidium</i> sp. (orchid) leaf.	British Honduras			1	Fla.
<i>Uredo guacae</i> Mayor:				1	
<i>Ionopsis utricularioides</i> (orchid) leaf.	Guatemala			1	Fla.
<i>Miltonia roezlii</i> (pansyorchid) leaf	Canal Zone			1	Fla.
<i>Mormodes</i> sp. (orchid) leaf	Peru			1	Fla.
<i>Odontoglossum</i> sp. (orchid) leaf	Canal Zone			1	Fla.
<i>Oncidium pusillum</i> (orchid)	Panama			1	D.C.
<i>Trigonidium egertonianum</i> (orchid) leaf.	Guatemala			1	Calif.*
<i>Uredo nidularii</i> P. Henn.:					
<i>Tillandsia</i> sp.	Mexico			1	Tex.
<i>Uredo oncidii</i> P. Henn.:					
<i>Oncidium cavendishianum</i> (orchid) leaf.	Guatemala			1	Fla.
<i>O. pusillum</i> (leaf)	†Panama			1	Fla.
<i>Oncidium</i> sp. (leaf)	British Honduras, †Peru			2	Fla.
Orchid (leaf)	†Haiti			1	Fla.
† <i>Uredo tillandsiae</i> Cummins:					
<i>Tillandsia</i> sp. (leaf)	Mexico			2	Fla.
<i>Uromyces commelinaceus</i> Cke.:					
<i>Geogenanthus</i> sp. (leaf)	Colombia			1	Fla.
<i>Uromyces fabae</i> (Grev.) Cke.:					
<i>Lens culinaris</i> (lentil) leaf and stem.	Chile, Germany	3	1	1	Fla., La., Oreg. N.J.
<i>Vicia</i> sp.	Portugal	1			
<i>Uromyces trifolii</i> (DC.) Lev.:					
<i>Trifolium repens</i> var. (shamrock) leaf	Ireland	1			Oreg.
† <i>Ustilago grandis</i> Fr.:					
<i>Phragmites communis</i> (common reed) stem	Germany	1			Calif.*
<i>Ustilago tritici</i> (Pers.) Rostr.:					
<i>Triticum aestivum</i> (wheat) heads	England	1			N.Y.
<i>Volutella pachyandricola</i> B. O. Dodge:					
<i>Pachysandra terminalis</i> (Japanese pachy- sandra) leaf.	Netherlands			2	N.J.
‡ <i>Volutina concentrica</i> Penz. & Sacc.:					
Orchid (leaf)	Burma			1	N.Y.
<i>Xanthomonas citri</i> (Hasse) Dowson:					
<i>Citrus aurantifolia</i> (sour lime)	India, Japan Pakistan	1	3		Calif., * Hawaii, Mass., Wash.
<i>C. aurantium</i> (sour orange)	Japan			8	Calif., * Pa.
<i>C. aurantium</i> var.	do			1	Calif., *
<i>C. grandis</i> (pummelo)	do			1	N.Y.
<i>C. ichangensis</i> x <i>C. reticulata</i> (ichangarin)	do			3	Calif., *
<i>C. limon</i> (lemon)	Japan, unknown			8	Hawaii, Tex., Wash.
<i>C. paradisi</i> (grapefruit)	Japan			1	Wash.
<i>C. reticulata</i> (Mandarin orange)	do	2	4		Calif., * Hawaii.
<i>C. reticulata</i> var. (King orange)	do			1	Hawaii.
<i>C. sinensis</i> (sweet orange) fruit and dried peel	China, Hong Kong, Japan	11	91		Calif., * Hawaii, La., Md., N.C., Oreg., Pa., Tex., Wash.
<i>Citrus</i> sp. (fruit and dried peel)	China, Hong Kong, Japan, Saipan	3	2		Calif., * Hawaii, Mass., Mich.
<i>Xanthomonas</i> sp. (Cancrosis B):					
<i>Citrus limon</i> (lemon)	Argentina			7	La., N.Y., Pa., S.C.
Xiphinema americanum Cobb:					
Soil with <i>Gardenia augusta</i> (plant)	Mexico			1	Tex.

An asterisk (\*) indicates State inspection.

A dagger (†) indicates a first interception from the country named.

A double dagger (‡) indicates a first interception by Division inspectors.

## Hosts and Diseases

- ABIES:**  
*†Atchya glomerulosa* (Ascomyces)  
*Hormiscium pinophyllum* (Deuteromycetes)
- ACANTHUS:**  
*Meloidogyne hapla* (Nematoda)
- ACER:**  
*†Cladosporium epiphyllum* var. *acerinum* (Deuteromycetes)
- ADENIA:**  
*Meloidogyne javanica* (Nematoda)
- AGAVE:**  
*†Coniothyridina agaves* (Deuteromycetes)  
*†Pleospora phragmospora* (Ascomyces)
- ALLIUM CEPA:**  
*Ditylenchus dipsaci* (Nematoda)  
*†Heterosporium allii* (Deuteromycetes)  
*Mycosphaerella schoenoprasii* (Ascomyces)
- ALLIUM CEPA SOLANUM:**  
*Mycosphaerella schoenoprasii* (Ascomyces)
- ALLIUM PORRUM:**  
*†Heterosporium allii* (Deuteromycetes)  
*Mycosphaerella schoenoprasii* (Ascomyces)
- ALLIUM SATIVUM:**  
*Ditylenchus dipsaci* (Nematoda)  
*†Mycosphaerella schoenoprasii* (Ascomyces)
- ANTHRURIUM:**  
*†Macrophoma anthurii* (Deuteromycetes)  
*Phyllochora engleri* (Ascomyces)
- ANTIRRHINUM:**  
*†Puccinia antirrhini* (Promycetes)
- ARACHIS:**  
*†Puccinia arachidis* (Promycetes)
- ARAUCARIA:**  
*Cryptospora longispora* (Ascomyces)  
*Diaporthe eres* (Ascomyces)  
*Macrophoma araucariae* (Deuteromycetes)
- ARECA:**  
*Phomopsis palmicola* (Deuteromycetes)
- ASTILBE:**  
*Meloidogyne incognita acrita* (Nematoda)
- AUCUBA:**  
*†Coniothyrium aucubae* (Deuteromycetes)  
*Phyllosticta aucubicola* (Deuteromycetes)
- BACCHARIS:**  
*Puccinia baccharidis* (Promycetes)
- BAMBOO:**  
*†Papularia sphaerosperma* (Deuteromycetes)
- BECONIA:**  
*Meloidogyne arenaria* (Nematoda)
- BETA:**  
*†Peronospora schachtii* (Phycomyces)
- BETULA:**  
*†Plowrightia virgultorum* (Ascomyces)
- BLETTILLA:**  
*Aphelenchoidea fragariae* (Nematoda)
- BRASSICA RAPA:**  
*Meloidogyne incognita* (Nematoda)
- BROMELIAD:**  
*†Echidnides bromeliacearum* var. *stellulata* (Ascomyces)
- BUXUS:**  
*Puccinia buxi* (Promycetes)
- CALADIUM:**  
*Meloidogyne arenaria* (Nematoda)
- CALLICARPA:**  
*Meloidogyne hapla* (Nematoda)
- CALLISTEPHUS:**  
*†Coleosporium asterum* (Promycetes)
- CAMELLIA:**  
*Cylindrosporium camelliae* (Deuteromycetes)
- CASSIA:**  
*Phyllochora canafistulae* (Ascomyces)
- CATTELEYA:**  
*Septoria selenophomoides* (Deuteromycetes)
- CELOSIA:**  
*†Alternaria celcsiae* (Deuteromycetes)
- CHRYSANTHEMUM:**  
*Puccinia horiana* (Promycetes)  
*Septoria leucanthemi* (Deuteromycetes)
- CICHLORIUM:**  
*Pseudomonas marginalis* (Schizomycetes)
- CITRUS AURANTIIFOLIA:**  
*Elsinoe australis* (Ascomyces)  
*Xanthomonas citri* (Schizomycetes)
- CITRUS AURANTIUM:**  
*Phoma citricarpa* (Deuteromycetes)  
*Xanthomonas citri* (Schizomycetes)
- CITRUS AURANTIUM VAR.:**  
*Xanthomonas citri* (Schizomycetes)
- CITRUS GRANDIS:**  
*Phoma citricarpa* (Deuteromycetes)  
*Xanthomonas citri* (Schizomycetes)
- CITRUS ICHANGENSIS X C. RETICULATA:**  
*Phoma citricarpa* (Deuteromycetes)  
*Xanthomonas citri* (Schizomycetes)
- CITRUS LIMON:**  
*†Camarosporium citri* (Deuteromycetes)  
*Coniothecium scabrum* (Deuteromycetes)  
*Elsinoe australis* (Ascomyces)  
*Phoma citricarpa* (Deuteromycetes)  
*†Septoria citri* (Deuteromycetes)  
*Sphaceloma fawcettii* var. *scabiosa* (Deuteromycetes)  
*Xanthomonas citri* (Schizomycetes)  
*Xanthomonas sp.* (Cancrosis B) (Schizomycetes)
- CITRUS PARADISI:**  
*†Coniothecium citri* (Deuteromycetes)  
*Phoma citricarpa* (Deuteromycetes)  
*Xanthomonas citri* (Schizomycetes)
- CITRUS RETICULATA:**  
*†Coniothecium scabrum* (Deuteromycetes)  
*Elsinoe australis* (Ascomyces)  
*Phoma citricarpa* (Deuteromycetes)  
*Septoria citri* (Deuteromycetes)  
*†Stomiopeltis citri* (Ascomyces)  
*Xanthomonas citri* (Schizomycetes)
- CITRUS RETICULATA VAR.:**  
*Xanthomonas citri* (Schizomycetes)
- CITRUS SINENSIS:**  
*Elsinoe australis* (Ascomyces)  
 "Greasy spot"  
*Phoma citricarpa* (Deuteromycetes)  
*Septoria citri* (Deuteromycetes)  
*Sphaceloma fawcettii* var. *scabiosa* (Deuteromycetes)  
*Xanthomonas citri* (Schizomycetes)
- CITRUS SP.:**  
*Phoma citricarpa* (Deuteromycetes)  
*Xanthomonas citri* (Schizomycetes)
- CLEMATIS:**  
*Meloidogyne hapla* (Nematoda)
- COCCOLOBA:**  
*†Phyllosticta coccologea* (Deuteromycetes)
- COCOS:**  
*†Cytospora palmicola* (Deuteromycetes)  
*†Diplodia epicocos* (Deuteromycetes)  
*†Macrophoma cocos* (Deuteromycetes)  
*Phomopsis cocos* (Deuteromycetes)
- COFFEA:**  
*†Leptosphaeria coffeigena* (Ascomyces)
- CÖLÖKASIA:**  
*Meloidogyne javanica* (Nematoda)
- CONVALLARIA:**  
*†Aphelenchoidea blastophthorus* (Nematoda)
- CORIANDRUM:**  
*†Meloidogyne incognita acrita* (Nematoda)
- CÖRÜLS:**  
*Diaporthe eres* (Ascomyces)
- COTÍNUS:**  
*Diaporthe eres* (Ascomyces)
- CROCUS:**  
*†Stemphylium sarcinaeforme* (Deuteromycetes)
- CUCURBITA:**  
*†Alternaria cucumerina* (Deuteromycetes)
- CYDONIA:**  
*†Entomosporium maculatum* (Deuteromycetes)
- CÝMBOPOGON:**  
*†Puccinia nakanishikii* (Promycetes)
- CYPERACEAE:**  
*Puccinia oblecta* (Promycetes)
- CÝPRUS (?)**  
*†Puccinia cyperi* (Promycetes)
- DAHLIA:**  
*†Ditylenchus destructor* (Nematoda)  
*Meloidogyne arenaria* (Nematoda)  
*M. hapla* (Nematoda)  
*M. javanica* (Nematoda)  
*Pratylenchus penetrans* (Nematoda)

See footnotes at end of this list.

## Hosts and Diseases—Continued

## DAPHNE:

†*Marmor cucumeris* (Virus)

## DENDROBIUM:

†*Physalospora wildemaniana* (Ascomycetes)†*Septoria selenophomoides* (Deuteromycetes)

## DIANTHUS:

†*Alternaria dianthi* (Deuteromycetes)*Heteropeltella valtellinensis* (Deuteromycetes)

## DIOSPYROS:

*Cercospora kaki* (Deuteromycetes)

## DRACAENA:

†*Haplosporella dracaenorum* (Deuteromycetes)

## ECHÉVERIA:

Meloidogyne *incognita acrita* (Nematoda)

## EPIDENDRUM:

*Septoria selenophomoides* (Deuteromycetes)*Sphenospora kevorkianii* (Promycetes)†*Uredo behnickiana* (Promycetes)*U. epidendri* (Promycetes)

## ERIGERON:

*Phoma herbarum* (Deuteromycetes)

## EUONYMUS:

Meloidogyne *arenaria* (Nematoda)

## EUPHORBIA:

Meloidogyne *incognita acrita* (Nematoda)

## FAGUS:

*Fusicoccum galericulatum* (Deuteromycetes)

## FRAGARIA:

*Dendrophoma obscurans* (Deuteromycetes)*Mycosphaerella fragariae* (Ascomycetes)

## FRAXINUS:

*Phoma samararum* (Deuteromycetes)†*Phomopsis pterophila* (Deuteromycetes)

## FÜMARIA:

†*Aphytis rhynchosiae* (Ascomycetes)

## GARDENIA:

†*Sphaerella gardeniae* (?) (Ascomycetes)

## GÉNTIANA:

†*Puccinia gentianae* (Promycetes)†*Septoria raphidospora* (Deuteromycetes)

## GEOGENANTHUS:

*Uromyces commeliniae* (Promycetes)

## GLADIOLUS:

Meloidogyne *arenaria* (Nematoda)*M. hapla* (Nematoda)*M. incognita* (Nematoda)*M. incognita acrita* (Nematoda)

## GOSSYPIUM:

†*Phakopsora gossypii* (Deuteromycetes)†*Puccinia schedonarii* (Promycetes)

## GYPSOPHILA:

*Puccinia arenariae* (Promycetes)

## HABENARIA:

†*Puccinia praegracilis* var. *praegracilis* (Promycetes)

## HEDEERA:

†*Phyllosticta hedericola* (Deuteromycetes)

## HEPATICA:

Meloidogyne *hapla* (Nematoda)

## HORDEUM:

*Puccinia hordei* (Promycetes)

## HUNTLEYA:

*Sphenospora kevorkianii* (Promycetes)

## IONÓPSIS:

*Uredo guacae* (Promycetes)

## IRIS:

†*Pratylenchus pratensis* (Nematoda)

## JUGLANS:

*Marsannina juglandis* (Deuteromycetes)

## JUNIPERUS:

*Gymnosporangium haraeanum* (Promycetes)

## LAPAGERIA:

†*Cercospora liliicola* (Deuteromycetes)

## LENS:

*Uromyces fabae* (Promycetes)

## LEONTOPODIUM:

Meloidogyne *hapla* (Nematoda)

## LYCASTE:

*Cercospora cypripedii* (Deuteromycetes)

## LYCOPERSICON:

†*Meloidogyne javanica* (Nematoda)

## MACROZAMIA:

†*Dothiorella pericarpica* (Deuteromycetes)

See footnotes at end of this list.

## MAHONIA:

*Cumminsiella mirabilissima* (Promycetes)

## MALUS:

†*Elsinoe piri* (Ascomycetes)*Gymnosporangium yamadae* (Promycetes)†*Monilia fructigena* (Ascomycetes)

## MANGIFERA:

*Elsinoe mangiferae* (Ascomycetes)

## MAXILLARIA:

†*Lembosia warszewicziae* (Ascomycetes)

## METROSIDEROS:

*Melipolina haplochaeta* (Ascomycetes)

## MILTONIA:

†*Microstoma orchidearum* (?) (Ascomycetes)†*Scolecoptelidium bakeri* (Ascomycetes)*Uredo guacae* (Promycetes)

## MORMODES:

*Uredo guacae* (Promycetes)

## MUSA:

†*Helminthosporium torulosum* (Deuteromycetes)†*Phyllostictina musarum* (Deuteromycetes)

## NARCISSUS:

*Ditylenchus dipsaci* (Nematoda)

## NERIUM:

*Macrophoma oleandri* (Deuteromycetes)†*Pseudomonas tonelliana* (Schizomycetes)

## ODONTOGLOSSUM:

†*Echidnides dendrochilii* (Ascomycetes)*Septoria selenophomoides* (Deuteromycetes)*Uredo guacae* (Promycetes)

## ONCIDIUM:

†*Puccinia oncidii* (Promycetes)†*Scolecoptelidium bakeri* (Ascomycetes)*Septoria selenophomoides* (Deuteromycetes)†*Speira cymbidii* (Deuteromycetes)*Uredo behnickiana* (Promycetes)*U. guacae* (Promycetes)†*U. oncidii* (Promycetes)

## ORCHID:

†*Diplodia henriquesiana* (Deuteromycetes)†*Papularia vinsca* (Deuteromycetes)†*Phyllosticta capitalensis* (Deuteromycetes)†*Scolecoptelidium bakeri* (Ascomycetes)*Septoria selencphomoides* (Deuteromycetes)*Sphenospora mera* (Promycetes)†*Uredo oncidii* (Promycetes)†*Volutina concentrica* (Deuteromycetes)

## ORNITHOGALUM:

*Heterosporium ornithogali* (Deuteromycetes)

## ORYZA:

†*Curvularia geniculata* (Deuteromycetes)*Neovossia horrida* (Promycetes)*Phaeospiraea oryzae* (Deuteromycetes)*Pyrenophaea oryzae* (Deuteromycetes)*Septoria oryzae* (Deuteromycetes)*Trematosphaerella oryzae* (Ascomycetes)

## PACHYSANDRA:

*Vculatella pachysandricola* (Deuteromycetes)

## PAEONIA:

*Sclerotropis concava* (Deuteromycetes)

## PASTINACA:

†*Phoma nebulosa* ((Deuteromycetes)

## PERSEA:

†*Cercospora purpurea* (Deuteromycetes)

## PHASEOLUS:

*Cercospora brachiata* (Deuteromycetes)†*Fusarium oxysporum f. phaseoli* (Deuteromycetes)

## PHILADELPHUS:

†*Karstenia philadelphi* (Ascomycetes)

## PHLEUM:

†*Puccinia poae-nemoralis* (Promycetes)

## PHRAGMITES:

†*Ustilago grandis* (Promycetes)

## PICEA:

†*Ascodicha conorum* (Deuteromycetes)

## PLATÝCODO:

*Fusarium oxysporum* (Deuteromycetes)

## POLIANTHES:

Meloidogyne *incognita* (Nematoda)

## POLYGALA:

†*Asterina pulchella* (Ascomycetes)

## PRUNUS DOMESTICA:

†*Monilia fructigena* (Ascomycetes)

*Hosts and Diseases—Continued*

## PRUNUS PERSICA:

†*Coniothyrium insitivum* (Deuteromycetes)‡*Tranzschelia discolor* (Promycetes)

## PRUNUS SEROTINA:

†*Microstoma tonellianum* (Basidomycetes)

## PUNICA:

†*Sphaeloma punicae* (Deuteromycetes)

## PYRUS:

*Gymnosporangium hareanum* (Promycetes)

## QUERCUS:

†*Cytospora intermedia* (Deuteromycetes)‡*Sclerotinia candolleana* (Ascomyctes)

## RHODODENDRON:

†*Chrysomyza ledi* var. *rhododendri* (Promycetes)†*Coryneum triseptatum* (Deuteromycetes)

Diplodiae eurhododendri (Deuteromycetes)

Septoria azaleae (Deuteromycetes)

## ROSA:

†*Marmor rosae* (Virus)†*Meloidogyne hapla* (Nematoda)

## RUBUS:

†*Pucciniastrum arcticum* (Promycetes)

## SASA:

†*Dasturella divina* (Promycetes)*Puccinia longicornis* (Promycetes)

## SCIRPUS:

†*Puccinia obtecta* (Promycetes)

## SECALE:

†*Pleospora trichostoma* (Ascomyctes)*Puccinia striiformis* (Promycetes)†*Selenophoma donacis* (Deuteromycetes)

## SOBRALLIA:

*Mycosphaerella cattleyae* (Ascomyctes)

## SOIL:

†*Gotholdsteineria goodeyi* (Nematoda)†*Helicotylenchus naynus* (Nematoda)*Heterodera avenae* (Nematoda)*H. cacti* (Nematoda)†*H. punctata* (Nematoda)*H. rostochiensis* (Nematoda)*Psilenchus hilarulus* (Nematoda)*Scutellonema brachyurum* (Nematoda)

## SOIL—Continued

†*Tylenchorhynchus capitatus* (Nematoda)*Xiphinema americanum* (Nematoda)

## SOLANUM:

†*Meloidogyne incognita acrita* (Nematoda)

## SPONDIAS:

†*Sphaeloma spondiadis* (Deuteromycetes)

## STANHOPEA:

*Cercospora angraeci* (Deuteromycetes)

## THUNBERGIA:

†*Meloidogyne incognita acrita* (Nematoda)

## TIGRIDIA:

*Ditylenchus destructor* (Nematoda)

## TILIA:

†*Phomopsis velata* (Deuteromycetes)

## TILLANDSIA:

*Uredo nidularii* (Promycetes)‡*U. tillandsiae* (Promycetes)

## TRIFOLIUM:

*Uromyces trifolii* (Promycetes)

## TRIGONIDIUM:

*Ustilago quacae* (Promycetes)

## TRITICUM:

†*Anguina tritici* (Nematoda)†*Puccinia striiformis* (Promycetes)†*Pyrenophora graminea* (Ascomyctes)*Septoria nodorum* (Deuteromycetes)*Ustilago tritici* (Promycetes)

## TULIPA:

†*Papulaspora rubida* (Deuteromycetes)

## VICIA:

†*Ascochyta fabae* (Deuteromycetes)*Uromyces fabae* (Promycetes)

## VIOLA:

†*Puccinia violae* (Promycetes)

## WEIGELIA:

†*Phoma weigeliae* (Deuteromycetes)

## ZANTEDESCHIA:

†*Meloidogyne arenaria* (Nematoda)

## ZINNIA:

†*Alternaria zinniae* (Deuteromycetes)*Hosts Unknown*

## Plants—Unidentified:

*Meloidogyne arenaria* (Nematoda)

A dagger (†) indicates a first interception from the country of origin.

A double dagger (‡) indicates a first interception by Division inspectors.

## Countries of Origin and Diseases

## AFRICA (country(?)):

*Phoma citricarpa*

## ALASKA:

*†Puccinia praegracilis* var. *praegracilis*

## ARGENTINA:

*†Alternaria dianthi**Elsinoc australis**Heterodera rostochiensis**Xanthomonas* sp. (Cancerosis B)

## AUSTRALIA:

*†Camarosporium citri**†Dothiorella pericarpica**Meloidogyne hapla**Phoma citricarpa**Pratylenchus penetrans**†Septoria selenophomoides**Sphaceloma fawcettii* var. *scabiosae*

## AUSTRIA:

*Chrysomyza ledi* var. *rhododendri*

## BAHAMAS:

*†Diplodia epicocos**†Phakopsora gossypii**Sphenospora kevorkianii*

## BELGIUM:

*†Coniothyrium avicubae**Mycosphaerella schoenoprasii**Phyllosticta aucubicola**Pseudomonas marginalis**Septoria azaleae*

## BERMUDA:

*Macrophoma oleandri**†Papularia spherosperma**†Puccinia schedonnardi*

## BRAZIL:

*†Curvularia geniculata**Elsinoc australis**E. mangiferae**Heterodera cacti**Meloidogyne incognita acrita**Phoma citricarpa**†Phyllosticta capitalensis**†Puccinia arachidis**†P. cyperi**†P. oncidii**†Septoria citri**S. selenophomoides**Uredo behnickiana**U. epidendri*

## BRITISH GUIANA:

*†Sphaceloma spondiadis*

## BRITISH HONDURAS:

*Uredo epidendri**U. oncidii*

## BURMA:

*†Diplodia henriquesiana**†Volutina concentrica*

## CANADA:

*†Aphyta rhynchosiae**Chrysomyza ledi* var. *rhododendri**†Gotholdsteinia goodeyi**†Heterodera punctata**Heteropeltella valtellinensis**Pratylenchus penetrans*

## CANAL ZONE:

*†Micropeltis orchideorum* (?)*Mycosphaerella catleyae**Phyllachora canafistulæ**†Scolecopeltidium bakeri**†Uredo behnickiana**U. epidendri**U. guacae*

## CHILE:

*†Cercospora liliicola**Uromyces fabae*

## CHINA:

*Phoma citricarpa**Xanthomonas citri*

## COLOMBIA:

*Phyllachora engleri**Uromyces commeliniae*

## COSTA RICA:

*†Echidnoderes bromeliacearum**†Lemnobia wierscewicziae**†Leptosphaeria coffeigena*

See footnotes at end of this list.

## COSTA RICA—Continued

*†Macrophoma cocos**Septoria selenophomoides**Uredo epidendri*

## CUBA:

*†Coleosporium asterum**†Cytopora palmicola**Helminthosporium torulosum**†Marmor rosae**Meloidogyne incognita acrita**M. javanica**Sphenospora kevorkianii*

## CZECHOSLOVAKIA:

*†Heterodera punctata**†Monilinia fructigena**†Pratylenchus praeuensis*

## DOMINICAN REPUBLIC:

*†Meloidogyne incognita acrita*

## ECUADOR:

*Cercospora angraeci**†Papularia vinosa**†Puccinia oncidii**Sphenospora mera*

## ENGLAND:

*†Alternaria zinniae**†Aphelenchoides blastophthorus**Ditylenchus dipsaci**Heterodera avenae**H. punctata**H. rostochiensis**†Marmor cucumeris**Meloidogyne hapla**Phoma herbarum**†Phoma weigeliae**†Sclerotinia candida**Ustilago tritici*

## ENGLAND(?)

*†Phyllosticta hedericola*

## FEDERATION OF MALAYA:

*Phoma citricarpa*

## FINLAND:

*†Plowrightia virgulorum*

## FORMOSA:

*†Dasturella divina**Phoma citricarpa*

## FRANCE:

*†Ascochyta conorum**Mycosphaerella schoenoprasii**Puccinia buxi**†P. gentianae*

## GERMANY:

*†Alternaria zinniae**†Aitchia glomerulosa**Dendrophoma obscurans**Ditylenchus destructor**†Elsinoc piri**Heterodera avenae**H. cacti**H. rostochiensis**Hormiscium pinophyllum**Meloidogyne hapla**Mycosphaerella fragariae**†Phoma nebulosa**Puccinia striiformis**Uromyces fabae**†Ustilago grandis*

## GREECE:

*Marssonina juglandis**†Pseudomonas tonelliana*

## GUAM:

*†Cytospora palmicola**Diplodia epicocos**Phomopsis palmicola*

## GUATEMALA:

*†Cercospora purpurea**†Entomosporium maculatum**†Helminthosporium torulosum**†Heterosporium allii**Marmor rosae**Meloidogyne arenaria**Septoria selenophomoides**†Spiraea cymbalariae**Uredo guacae**U. oncidii*

## Countries of Origin and Diseases—Continued

HAITI:	<i>Meloidogyne javanica</i> † <i>Uredo oncidii</i>	MEXICO—Continued <i>H. rostochiensis</i> <i>Meloidogyne arenaria</i> <i>M. incognita</i> <i>M. incognita acrita</i> <i>Mycosphaerella schoenoprasii</i> † <i>Phyllosticta coccobolae</i> ‡ <i>Pleospora phragmospora</i> <i>Pseudomonas tonelliiana</i> <i>Psilenchus hilarulus</i> <i>Puccinia baccharidis</i> <i>P. obtecta</i> ‡ <i>Scolecopeltidium bakeri</i> <i>Scutellonema brachyurum</i> <i>Septoria selenophomoides</i> <i>Sphaceloma puniceae</i> ‡ <i>Tranzschelia discolor</i> <i>Tylenchorhynchus capitatus</i> <i>Uredo behnickiana</i> <i>U. nidularii</i> ‡ <i>U. tillandsiae</i> <i>Xiphinema americanum</i>
HAWAII:	<i>Meliolina haplochaeta</i> <i>Phomopsis cocos</i> † <i>Sphaerella gardeniae</i> (?)	MOZAMBIQUE: <i>Phoma citricarpa</i>
HONG KONG:	<i>Phoma citricarpa</i> <i>Xanthomonas citri</i>	NETHERLANDS: <i>Cumminsiella mirabilissima</i> <i>Diaporthe eres</i> <i>Diplodina eurhododendri</i> <i>Ditylenchus dipsaci</i> ‡ <i>Fusarium oxysporum</i> f. <i>phaseoli</i> <i>Fusicoccum galericulatum</i> ‡ <i>Karsteniella philadelphi</i> <i>Meloidogyne hapla</i> <i>M. incognita acrita</i> ‡ <i>Phonapasis relata</i> <i>Sclerotiopsis concava</i> <i>Septoria azaleae</i> <i>Volutella pachysandrae</i>
INDIA:	<i>Septoria selenophomoides</i> <i>Xanthomonas citri</i>	NEW ZEALAND: <i>Cryptospora longispora</i> <i>Heterodera cacti</i> <i>Macrophoma araucariae</i> <i>Phoma citricarpa</i> <i>Sphaceloma jaceettii</i> var. <i>scabiosa</i>
IRAN:	† <i>Puccinia striiformis</i>	NICARAGUA: <i>Uredo behnickiana</i>
IRELAND:	<i>Heterodera avenae</i> † <i>Puccinia antirrhini</i> <i>Uromyces trifolii</i>	NORFOLK ISLAND: <i>Cryptospora longispora</i> <i>Diaporthe eres</i> <i>Macrophoma araucariae</i>
ITALY:	‡ <i>Ascochyta fabae</i> † <i>Chrysomyza ledi</i> var. <i>rhododendri</i> ‡ <i>Cytospora intermedia</i> <i>Monilinia fructigena</i> <i>Phoma samararum</i> ‡ <i>Phomopsis pterophilia</i> † <i>Puccinia violae</i> <i>Septoria citri</i> <i>S. nodorum</i> ‡ <i>Stemphylium sarcinaeforme</i>	NORTHERN IRELAND: <i>Heterodera punctata</i> ‡ <i>Meloidogyne hapla</i>
ITALY(?):	<i>Anguina tritici</i>	NORWAY: ‡ <i>Monilinia fructigena</i> ‡ <i>Pucciniastrum arcticum</i>
JAMAICA:	‡ <i>Asterina pulchella</i> ‡ <i>Tylenchorhynchus capitatus</i>	PAKISTAN: <i>Xanthomonas citri</i>
JAPAN:	<i>Aphelenchoides fragariae</i> <i>Cercospora kaki</i> † <i>Coniothecium scabrum</i> ‡ <i>Coryneum triseptatum</i> <i>Cylindrosporium camelliae</i> <i>Fusarium oxysporum</i> <i>Gymnosporangium harkoreanum</i> <i>G. yamadae</i> † <i>Heterosporium allii</i> <i>Meloidogyne arenaria</i> <i>M. hapla</i> <i>M. incognita</i> <i>M. incognita acrita</i> <i>M. javanica</i> <i>Mycosphaerella schoenoprasii</i> <i>Neovossia horrida</i> † <i>Peronospora schachtii</i> <i>Phaeoscleria oryzae</i> <i>Phoma citricarpa</i> <i>Puccinia hordei</i> <i>P. horiana</i> <i>P. longicornis</i> † <i>P. nakanishii</i> † <i>P. poae-nemoralis</i> <i>Pyrenopeziza oryzae</i> ‡ <i>Pyrenophora graminea</i> <i>Septoria citri</i> <i>S. leucanthemi</i> <i>S. oryzae</i> ‡ <i>Stomotipeltis citri</i> <i>Trematosphaerella oryzae</i> <i>Xanthomonas citri</i>	PANAMA: <i>Sphenospora kevorkianii</i> <i>Uredo guacaec</i> ‡ <i>U. oncidii</i>
JAPAN(?)	<i>Phyllostictina musarum</i>	PERU: <i>Heterodera rostochiensis</i> <i>Uredo guacaec</i> † <i>U. oncidii</i>
KENYA:	<i>Meloidogyne javanica</i>	PORTUGAL: † <i>Coniothecium scabrum</i> † <i>Helicotylenchus nannus</i> <i>Puccinia arenariae</i> <i>Uromyces fabae</i>
MEXICO:	‡ <i>Alternaria celosiae</i> <i>Cercospora cypripedii</i> ‡ <i>Coniothyrsina agaves</i> ‡ <i>Coniothyrium insitivum</i> <i>Ditylenchus dipsaci</i> ‡ <i>Echidnoderes dendrochili</i> <i>Elsinoe mangiferae</i> “Greasy spot” <i>Helicotylenchus nannus</i> <i>Heterodera cacti</i> <i>H. punctata</i>	PUERTO RICO: <i>Cercospora brachiata</i>
SAIPAN:		SAIPAN: <i>Xanthomonas citri</i>
SCOTLAND:		SCOTLAND: <i>Heterodera punctata</i>
SPAIN:		SPAIN: <i>Heterodera rostochiensis</i> † <i>Selenophoma donacis</i> <i>Septoria citri</i>
SWITZERLAND:		SWITZERLAND: <i>Chrysomyza ledi</i> var. <i>rhododendri</i>

See footnotes at end of this list.

*Countries of Origin and Diseases—Continued*

SWITZERLAND—Continued

- †*Ditylenchus destructor*  
*Heterodera cacti*  
 †*Papularia sphaerosperma*  
 †*Papulaspora rubida*  
 †*Septria raphidospora*

THAILAND:

- Phoma citricarpa*  
 †*Physalospora wildemaniana*

TRINIDAD

- †*Haplosporella dracaenorum*  
 †*Macrophoma anthurtii*

TURKEY:

- †*Pleospora trichostoma*

UNION OF SOUTH AFRICA:

- †*Alternaria cucumerina*  
 †*Coniothecium citri*

- Ditylenchus destructor*

UNION OF SOUTH AFRICA—Continued

- Heterosporium ornithogali*  
*Phoma citricarpa*  
 †*Pratylenchus penetrans*

- †*Puccinia oblecta*

UNION OF SOVIET SOCIALIST REPUBLICS:

- †*Cladosporium epiphyllum*

- †*Puccinia striiformis*

UNKNOWN:

- Elsinoe australis*  
 †*Microstroma tonellianum*

- Phoma citricarpa*

- Phomopsis coconis*

- Xanthomonas citri*

URUGUAY:

- †*Elsinoe australis*

YUGOSLAVIA:

- †*Chrysomyza ledi* var. *rhododendri*

A dagger (†) indicates a first interception from the country named.

A double dagger (‡) indicates a first interception by Division inspectors.



Growth Through Agricultural Progress







